

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 2: Generation Study - Includes Extrapolation of Residential or Non-Residential Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

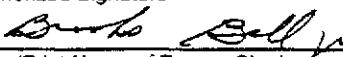
1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name Torrance	County Los Angeles		
Authorized Signature 	Title Director, Street Services		
Type/Print Name of Person Signing Brooks Bell	Date 12/28/2001	Phone () (310) 781-6900	
Person Completing This Form (please print or type) Alison Sherman	Title Recycling Coordinator		
Affiliation: City of Torrance, Department of Street Services			
Mailing Address 20500 Madrona Avenue	City Torrance	State CA	ZIP Code 90503
E-mail address ASHERMAN@TORRNET.COM			

Section II: Information for New Generation-Based Study

Attach additional sheets if necessary— reference each response to the appropriate cell number

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
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1990	1999
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3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

This new generation number reflects the disposal and diversion activities in the year 1999. Since 1990, Torrance has implemented and maintained numerous diversion practices and continues to build long-term relationships, partnerships and approaches to reducing waste. City worked with local C & D inert facilities to promote recycling as part of South Bay working group and to require diversion reporting. City also partnered with several waste haulers to conduct business technical assistance to businesses and promote WRAP Awards.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. 48 %	Diversion rate calculated using new generation-based study	b. 27 %
For existing base year pounds/person/day based on generation	6	For new generation based study pounds/person/day based on generation	12
Residential generation 41 %	59 %	Non-Residential generation 20.1 %	79.9 %
Population existing generation-based study	133107	Population new generation-based study	145100

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide examples, e.g. change in jurisdiction's demographics.

This new diversion rate is the result of a detailed Waste Generation and Diversion Study. The study also reflects the numerous efforts Torrance has taken to reach their diversion goals, including measurement tools useful for tracking activities. Several new diversion programs, educational outreach, and technical assistance programs have been implemented in the city since 1990. The PARIS section of the Annual Report describe each of the programs implemented in the city. Torrance is committed to pursuing continued increases in waste diversion by further improving and expanding programs and other diversion opportunities.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The negative diversion rate indicates that the base year was not accurate. The disposal was severely underestimated and the self haul was not quantified. Diversion estimates did not include waste reduction practices and internal business recycling. Torrance is comprised of a large residential population (ranked 159th in the U.S. in 2000) which is matched by its non-residential sector because of its business-friendly practices. Because Torrance does not have a franchised hauler in the commercial sector, an accurate representation of recycling and diversion in the non-residential sector has been difficult to determine until now. An extensive business waste audit was conducted in 1999 and a formal reporting system from all haulers is now in place. The default adjustment method does not accurately represent the impact of these and other diversion programs. The new base year study enabled the city to gain a clear understanding of the existing disposal and diversion activities. Torrance has implemented a significant number of diversion

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7. Disposal Tonnage: (enter values)	524332	173468	Non-Residential	Total
Please select the ONE choice below that best explains your disposal data and complete the required tables				
<input checked="" type="checkbox"/> a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)				
<input type="checkbox"/> b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at http://www.ciwmib.ca/govlgcentral/forms/rylnmdrq.doc)				
<input type="checkbox"/> c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at http://www.ciwmib.ca/govlgcentral/forms/rylnmdq.doc)				

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: the Board expects the jurisdictions to be able to provide all back-up documentation, if requested.) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes [e.g., agricultural wastes, inert solids (e.g. concrete, asphalt, dirt, etc.), white goods, and scrap metal], please identify those programs/waste types and fill out section 11. Note: Restricted waste material should not be extrapolated in non-residential waste audits. Please mark as attachment 8 all copies of survey forms.

* Please provide detailed non-residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types The program type glossary is online at: http://www.ciwmib.ca/govlgcentral/PARIS/Codes/Reduce.htm	(A)	(B)	(A+B)	(A+B)/Total Generation	(List programs with multiple materials together)		
Residential Activities:							
Source Reduction							
Backyard composting							
Grass cycling							
Other residential source reduction (list each program separately)							
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Subtotal Res. Source Reduction	0	0	0				
Curbside Recycling							
Newspaper, Cardboard, Mixed Paper, Juice & Pizza boxes, chipboard, Aluminum, Tin & Metal cans, Plastic bottles, bags & containers (1-7), large Polystyrene pieces, Glass bottles & jars.							
Source: Torrance Street Services collects and MRF reports tonnages							
Source: Department of Conservation							
Buyback centers	9355	N/A	9355.09	3.0%			Tonnage Report given to Torrance Street Services Department from MRF
Drop-off centers	813	N/A	813.27	0.3%			Buy Back Center Tonnage Report from the State of California, Department of Conservation

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Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation (A+B)/Total Generation	Specific material types) (List programs with multiple materials together)	Specific conversion factor used if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm							
Other residential recycling. (list each program separately)							
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal Residential Recycling	10168		10168.36	3.3%			
Composting							
Green waste drop-off							
Curbside green waste		N/A					
Christmas Tree program		N/A					
Other residential composting (list each program separately)							
Backyard Composters sold at workshops		N/A					
Enter program name	0	N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal Residential Composting	0		0	3.3%			
Subtotal Residential Diversions	10168	0	10168.36	3.3%			
Non-Residential Activities:							
Source Reduction							
Non-residential Waste Audits*	11989	8041	20030.2	6.5%	See Section 9	See Section 9	See Section 9
Other non-residential source reduction (list each program separately)							
1000-SR-XRG Grasscycling Government							
	1621	N/A	1620.87	0.5%	Grass clippings	7.61 tons per acre per year Source: Reusing Turfgrass Clippings to Improve Turfgrass Health and Performance in Southern CA/ California Turfgrass Culture study.	Reported Acreage given to Torrance Street Services Department

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Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material types) (List programs with multiple materials together)	Specific conversion factor, if any) and Source	Type of record and location of record
Please use the Board's program types The program type glossary is online at http://www.dlwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm	(A)	(B)	(A+B)	(A+B)/Total Generation	(List programs with multiple materials together)		
1040-SR-SCH School Source Reduction - Grassrecycling							
4050-SP-WDW Tree Trimmings Mulched	1234	N/A	1233.5	0.4%	Grass clippings	7.61 tons per acre per year Source. Reusing Turfgrass Clippings to Improve Turfgrass Health and Performance in Southern CA/ California Turfgrass Culture study. Source. Torrance Streetscape & get Southern California Edison	Torrance Unified Maintenance & Operations Department
4050-SP-WDW Tree Trimmings Mulched	125	N/A	125	0.0%	Tree Trimmings used for mulch	SCE conversion factor and City website (for area)	
4020-SP-TRS City Tire Recapping Program	323	N/A	322.5	0.1%	City Tree Trimmings taken for recycling (firewood company, Irvine recycling center)	Tonnage Report by Torrance Street Services Department, Tree Trimming Division	
Subtotal Non-Residential Source Reduction	15296	8041.15	23337.07	7.5%	tires recapped/recycled	Source: USEPA	Torrance (warehouse) invoice reports
Recycling							
Non-residential Waste Audit*	7036	27506	34541.91	11.2%	See Section 9	See Section 9	See Section 9
Other non-residential recycling (list each program separately)							
2050-RC-SCH - School Recycling		N/A			white ledger paper recycling	Source: Torrance Unified School District & Contracted Hauler	Torrance Unified School District
2080-RC-GOV - State and Federal Facility Recycling city recycling in residential mix		N/A				State Facility AB 75 reports??	
Chandler's Pit		N/A			Resale of inert material as aggregate. Does not include inert recycling for use as land reclamation of 45,325 tons in 1999. (Inerts not identified or extrapolated in business audits either.)		
Transformation	6315	N/A	6315	2.0%	Incineration of mixed waste at Commerce and SERRF, Actual Weight	Facility Record at Chandler's Pit	
	1968.		1967.53	0.6%	Actual Weight	County DRS Report	
Subtotal Non-Residential Recycling	15319	27505.92	42824.44	13.8%			

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Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation (A+B)/Total Generation	Specific material type(s) (List programs with multiple materials together)	Specific conversion factor used if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmib.ca.gov/LGCentral/PARIS/Codes/Reduce.htm	(A)	(B)	(A+B)				
Composting							
Non-residential Waste Audit*	412	1380	1792.02	0.6%			
Other non-residential composting (list each program separately)							
Enter program name	N/A	N/A					
Enter program name	N/A	N/A					
Enter program name	N/A	N/A					
Enter program name	N/A	N/A					
Subtotal Non-Residential Composting	412	1379.92	1792.02	0.6%			
Subtotal Non-Residential Diversions	31027	36926.99	67953.53	22.0%			
Residential/Non-residential Diversions Activities							
ADC							
2622	N/A	2621.55	0.8%	Soil, dirt & greenwaste	Source: CIWMIB Jurisdiction & ADC by Facility report for 1999	www.ciwmib.ca.gov/LGTools/DRS/JurDspFa.asp?VW=Out	
Sludge							
Scrap metal							
Construction and demolition							
Landfill salvage							
102	N/A	102	0.0%				
2662	N/A	2662.14	0.9%	Beneficial Use/salvage column	LA County Dept. Public Works Quarterly Disposal Quantity Reporting for the City of Torrance	Reported Diversion tonnages from LA County Public Works, Chandler, County of Orange IWMD	LA County Dept. Public Works
Subtotal Residential/Non-Residential Diversions	6386	5385.69	1.7%				
Total Res/Non-Res Source Reduction Tons	15296	8041	23337	7.5%			
Total Diversions Tons	46591	36926.99	81507.58	27%			
Total Disposal Tons from Sec.7	225901		225900.77	73.0%			
Total Generation (Div+Dis)	271481	36926.99	309408.35				

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Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s)	Specific conversion factor (scf) (if any) and Source	Type of record and location of record
Please use the Board's program types The program type glossary is online at: http://www.ciwmrb.ca.gov/ <u>I</u> GCentral/PARIS/Codes/ Reduce.htm	(A)	(B)	(A+B)	(A+B)/Total Generation	(List programs with multiple materials together)		
Diversion Rate				27%			

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9 Specific Non-Residential Sector Waste Audits - Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from the largest to smallest, based on total generation. Audit reference number ties to your audit sheets.

Form will perform all calculations).

include attachment, marked attachment 9, which includes a summary of all the generators surveyed and all extrapolation calculations used to estimate the diversion rate.

Include copies of survey form(s) used.

Include for each generator (use type of generator in lieu of specific generator name, e.g. grocery store) each specific diversion activity and material type (e.g. cardboard recycling) and the associated tonnage for each diversion activity/material type, and applicable conversion factors/source.

If using number of employees for your extrapolation method, include this information for each generator surveyed.

Please order the non-residential generators, largest to smallest, based on total diversion tons.

Also, summary should include the generators that were selected to be surveyed, but did not respond to the survey and the number of employees at each generator.

As a comparison between disposal from the waste audits and DRS, the disposal for each generator must be included in the summary. Also, you should note if the disposal is being used for the extrapolation calculation. For each non-residential generator, the disposal must be broken out by cubic yard, and roll-off or compactor weights. If disposal was resubmitted for either disposal-based or employment-base extrapolation methods, please include conversion factor(s) for disposal and source for conversion factor(s). Please provide an explanation as to how the conversion factor(s) is (are) appropriate for your jurisdiction, e.g. study was conducted to determine average weights using hauler weight tickets, etc.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology and applicable conversion factors and sources. (e.g. cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

Please see attachments

10. On a separate sheet of paper, marked attachment 10, provide the following information for each diversion program listed in section 8 that was extrapolated from representative sampling. (Note: Do not include non-respondents in extrapolation because there is no data from the non-respondents. Extrapolate from survey respondents.)

A. Describe sampling method including:

- Type of sampling method (for either stratified or cluster sampling provide detailed information on how strata and clusters were collected.);
- Total number of samples included in the survey;
- Number of non-respondents and respondents;
- Total population;
- Source for identifying population (e.g. city business licenses, commercial database, resident's addresses, etc.);
- Relation of sample size to total population;
- Survey data collection tool(s) and approaches;
- Confidence level and margin of error for the sampled population;
- Outliers (specific generators which fall significantly above or below others) should be removed from base amount prior to extrapolation; and
- Unusual outliers and exceptional anomalies should be described in detail.

B. Describe the methods used to prevent double-counting between the surveys and the reported tonnages from haulers, recyclers, MRFs and composters.

C. Describe extrapolation method including:

- Basis of extrapolation;
- Why this extrapolation method is appropriate; and
- Sources of information used for extrapolation, such as disposal or employment.
- Include all Calculations.

11. For each restricted waste type [(i.e. agricultural waste, inert solids (e.g. concrete, asphalt, dirt, etc.), scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table:

(Note: program name refers to one specific diversion program for that waste type, for example diversion conducted by City Public Waste Dept.)

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids	Chandlers Rock and Gravel crushing and resale of inerts for	1992	6315
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 11b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 11b for that waste type and program. Instead please provide date of Board approval of previous submitted information.)

(Date)

If documentation is not available, go to 11d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].

- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 11b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 11b is not available, please complete the table below for each program claimed. (*Note : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.*)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				

Attachment 6 (Text did not fit into NBYForm)

The negative diversion rate indicates that the base year was not accurate. The disposal was severely underestimated and the self-haul was not quantified. Diversion estimates did not include waste reduction practices and internal business recycling. Torrance is comprised of a large residential population (ranked 159th in the U.S. in 2000) that is matched by its non-residential sector because of its business-friendly practices. Because Torrance does not have a franchised hauler in the commercial sector, an accurate representation of recycling and diversion in the non-residential sector has been difficult to determine until now. An extensive business waste audit was conducted in 1999 and a formal reporting system from all haulers is now in place. The default adjustment method does not accurately represent the impact of these and other diversion programs. The new base year study enabled the city to gain a clear understanding of the existing disposal and diversion activities. Torrance has implemented a significant number of diversion programs since 1990, and will continue to expand and improve existing programs. Along with numerous outreach and educational activities and partnerships with neighboring jurisdictions, Torrance will continue to implement citywide programs with major impact such as our recent change to automated curbside recycling which replaced the 14-gallon bin program.

Attachment 10
City of Torrance
Extrapolation Methodology

A. Sampling Method

The two major haulers Browning Ferris Industries (BFI) and Waste Management (WM) provided hauler route databases. These represented about 80% plus of the total customers/businesses in the City. In addition, a Dunn and Bradstreet database supplemented the balance. For the minimum sample number, the CIWMB ABI database (used to determine minimum sample number) utilized during the technical subcommittee meeting on the Diversion Study Guide provided the 90% confidence interval and 5% level of precision. The minimum sample number to meet the requirements of a statistically representative sample is 261 businesses.

During the first phase of the business technical assistance and outreach program, samples were selected only from the accounts serviced by BFI and WM. EcoTelesis interns/staff/personnel conducted on-site visits to only BFI and WM businesses. To insure that the study would be representative of the entire commercial / industrial sector, the City of Torrance contracted Americlean to conduct an additional second phase of business audits at non-BFI and non-WM accounts. These audits were headed by Jaime Lozano while subcontracted to Americlean. These audits since have been redone/re-verified under the survey standards of EcoTelesis. All data were updated to reflect the data of a single year.

The City of Torrance contacted over 400 businesses, and collected data from 279 on-site completed surveys. The primary purpose of the surveys during the first phase was to develop information for new programs that can be focused on the commercial and industrial businesses in the City of Torrance. The second phase focused more on getting the minimum sample number for the extrapolated study.

B. Methods used to prevent double counting

To prevent double counting, the regional diversion facilities for traditional recyclable materials (paper, plastic, OCC, etc.) were not quantified. The focus of the study was to obtain the

information from the generator side, rather than the regional diversion facility side. This method is preferred because many regional diversion facilities do not know the jurisdictional source of the recyclables that they receive. Many of the end markets are unknown and experience from previous studies indicates difficulty identifying all of the regional recyclers.

C. Extrapolation Method Description and Outlier Analysis

The extrapolation is based on employment-based statistical extrapolation methodology. After removal of the outliers (businesses with extraordinary diversion as defined below), a source reduction correlative factor for diversion, and a recycling correlative factor for diversion were developed from the on-site surveys by dividing the total diversion tons by the number of employees in the sample base. The correlative factors for diversion were developed separately for the large strata and the small strata after removal of the outliers for each type of diversion practice (recycling, source reduction and composting).

The outlier analysis method was reviewed with the CIWMB staff. The outlier analysis screening filter consisted of a two-part test. The first part is a mathematical test that identifies any individual business that has a "high" diversion correlative factor. This was accomplished mathematically by first calculating the simple average for each strata. Next the standard deviation was calculated. A threshold value that raises a "red flag" as potential for being an outlier was determined by adding the value of the simple average to twice the standard deviation value for each business surveyed. The correlative diversion factor for each business (and each respective diversion practice) was subtracted from the threshold value. If the answer resulted in a negative value, that particular business was subjected to the second part of the test, which consisted of three questions:

- 1) Is this type of business unique in this city?
- 2) Is the diversion practice unique?
- 3) Is the diversion tonnage significantly from the diversion program abnormally larger than achieved by similar businesses of this type and size?

If the answer to all three subparts is no, then the individual business was not considered an outlier. If the answer to any single one of the subparts is "yes", the sample is considered an outlier and removed from the calculation of the extrapolative diversion correlative factor to prevent excessive diversion credit being given to the city. Once a sample is an outlier, the diversion from the business is only added to the final computed diversion from extrapolation diversion as an "actual sample" (that is, not included in the extrapolation). This insures that the diversion from the business is counted, but not extrapolated to give unreasonable diversion quantities.

The Excel spreadsheet files for extrapolation (showing the calculation formulas in each cell) have been provided to the CIWMB with the new base year certification request form.

D. Source of Business Listing / Sampling Population

The major haulers provided their customer lists. A Dunn and Bradstreet database from the University of California at Los Angeles Waste Management and Recycling Program, CIWMB/UCLA Interagency Research Program, was used to determine the total number of employees in order to define the 80% cut-off point between the Large Business Strata and the Small Business Strata. The number of businesses approached for on-site visits was approximately 400+. Site visits were conducted at 279 businesses. According to the CIWMB ABI database,

there are approximately 7651 businesses in Torrance. Approximately 3.6 percent of the businesses in the City of Torrance were visited.

E. Sampling Accuracy

The sampling plan statistical accuracy is based on Appendix K of the CIWMB April 2001 Diversion Study Guide. The number of samples meets the minimum requirements of 90 percent confidence interval, with a plus or minus 5 percent precision level. The City of Torrance's new base year study utilizes on-site data from 261 samples. The number of samples collected exceeds the minimum number of samples by 18 samples. (Source CIWMB: 7651 businesses in Torrance.) The total number of employees in Torrance is 79,170 according to the Employment Development Department (EDD) (www.calmis.ca.gov/file/lfmmonth/0allsubs.txt)

CITY OF TORRANCE - ATTACHMENT 8C FOR ALL BUSINESSES SURVEYED
Includes Additional Businesses surveyed up to 10/28/02

Ref.	Business Type	Activity Description	EMP [#]	Source	Diversion (weight in pounds)		Yr. Recyclable Materials	Waste Materials	Yr. Recyclable Business	Inerts	Metals	Yr. Recyclable Composting	Material Type	Conversion Factor (Weight per cu.yd.)	Source	Per Year	Diversion	
					Recycling	Reusing												
1	Automotive Service	NO RECYCLING ACTIVITIES	120	Waste	102,60	2,605,00								other org.	40 lbs/pallet	USEPA	6,102,60	3.0%
2	Auto Repair/Service	pallets recycled	60	Waste	102,60	2,400,00								other org.	1.9 lb/gal bucket	USEPA		
3	Auto Repair/Service	plastic HDPE buckets		Waste	102,60	1,400,00								paper	4 lbs/16.6 cu.yd.	Business		
4	Auto Repair/Service	OCC recycling - S		Waste	102,60	2,250,00								paper	5 lbs/33 gal. box	Business		
5	Automotive Supply	paper reuse @ 25w		Waste	1,160,00	124,580,00								other org.	40 lbs/pallet	USEPA	118,540,00	83.2%
6	Automotive Supply	metal recycle		Waste	1,160,00	3,500,00								metal	75 lbs/m3	Business		
7	Automotive Supply	metal recycle		Waste	1,160,00	184,480,00								metal	20 lbs/cu.ft.	Business	7,240,000	3.6%
8	Automotive Supply	pallet / return @ 3.4k		Waste	1,160,00	2,400,00								other org.	40 lbs/ea. in system	USEPA		
9	Automotive Supply	plastic 25 gal. reuse		Waste	1,160,00	3,000,00								plastic	15 boxes/55 gal.	Business		
10	Automotive Supply	metal containers sold for reuse		Waste	1,160,00	2,000,00								metal	500 lbs/3 mo.	Business		
11	Automotive Supply	metal hangers recycled		Waste	1,160,00	2,000,00								metal	2000 lb yr	Business		
12	Automotive Supply	OCC reuse		Waste	1,160,00	1,520,00								paper	0.75 lbs/ea. sm. box	Actual wt.	1,092,00	1.0%
13	Automotive Supply	Wood scrap reuse		Waste	1,160,00	3,720,00								paper	20 lbs/ea. box	Average actual wt.		
14	Automotive Supply	metal recycle		Waste	1,160,00	900,00								metal	450 lbs/6 mo.	Business		
15	Automotive Supply	Plastic 25 gal. returned / reuse		Waste	1,160,00	1,120,00								plastic	15 lbs/5 gal.	Excellence Field Study		
16	Automotive Supply	OCC recycling - S		Waste	1,160,00	3,120,00								paper	1.5 lbs ea. sm. box	Actual wt.	2,400,00	2.1%
17	Automotive Supply	pallets returned @ 4wk		Waste	1,160,00	320,00								paper	40 lbs/ea. in system	USEPA		
18	Automotive Supply	metal returned overstock @ 1mo		Waste	1,160,00	800,00								other org.	400 lbs/ea. in system	Business	3,628,80	2.8%
19	Automotive Supply	cardboard recycling		Waste	1,160,00	3,250,00								paper	50 lbs/cu.yd	Telus		
20	Automotive Supply	cardboard recycling		Waste	1,160,00	1,802,88								paper	50 lbs/cu.yd	Business		
21	Automotive Supply	cardboard recycling		Waste	1,160,00	800,00								paper	25 lbs/33 gal. bag	USEPA		
22	Automotive Supply	cardboard recycling		Waste	1,160,00	520,00								paper	50 lbs/cu.yd	USEPA	51,320,00	27.6%
23	Automotive Supply	metal scrap recycle		Waste	1,160,00	520,00								metal	10 lbs/bulk scrap	Business		
24	Automotive Supply	tires recycled		Waste	1,160,00	20,800,00	1993							metal	20 lbs/ea. m	Business		
25	Automotive Supply	metal wheel recycle		Waste	1,160,00	2,600,00								metal	40 lbs/ea. in system	USEPA	10,800,00	25.4%
26	Automotive Supply	OCC recycling		Waste	1,160,00	2,600,00								paper	50 lbs/cu.yd	USEPA		
27	Automotive Supply	OCC reuse		Waste	1,160,00	14,300,00								paper	1.1 lbs/ea. sm. box	USEPA		
28	Automotive Supply	Wt & CPO recycled		Waste	1,160,00	5,285,28								paper	25.4 lbs/33 gal.	Business		
29	Automotive Supply	Plastic film recycled		Waste	1,160,00	2,600,00								plastic	60 lbs/m	Business		
30	Automotive Supply	plastics returned @ 35wk		Waste	1,160,00	2,800,00								other org.	40 lbs/ea. in system	USEPA		
31	Automotive Supply	Scrap metal		Waste	1,160,00	14,323,24								other	2.2 lbs/33 gal. can	USEPA	31,416,24	2.9%
32	Automotive Supply	Scrap metal		Waste	1,160,00	5,000,00								other	2.5 lbs/bulk bag	Business	12,500,00	3.8%
33	Automotive Supply	OCC Gaylord's returned for reuse		Waste	1,160,00	2,642,64								paper	40 lbs/ea. in system	Business		
34	Automotive Supply	Wt reuse - double sided		Waste	1,160,00	2,000,00								paper	25.4 lbs/33 gal. bag	USEPA		
35	Automotive Supply	Plastic re-grind reused		Waste	1,160,00	1,729,000,00								other org.	40 lbs/ea. in system	USEPA		
36	Automotive Supply	metal scrap recycled		Waste	1,160,00	700								plastic	605 ton/m	Business		
37	Automotive Supply	metal can return for reuse		Waste	1,160,00	6,000,00								metal	2.2 lbs/ea. 5 gal. can	Business		
38	Automotive Supply	donate plastic bags		Waste	1,160,00	900								plastic	600 lbs/can	Business		
39	Automotive Supply	toner cartridge return		Waste	1,160,00	1,160,00								other	2.5 lbs/bulk bag	Business	3,479,62	3.5%
40	Automotive Supply	OCC reporting		Waste	1,160,00	855,28								paper	16.64 lbs/cy	Telus		
41	Automotive Supply	OCC reuse		Waste	1,160,00	50,00								paper	0.5 lbs/cu.yd	Business		
42	Automotive Supply	carburetor cleaned		Waste	1,160,00	40,00								paper	40 lbs/ea. box	USEPA		
43	Automotive Supply	toner cartridge return		Waste	1,160,00	7,50								paper	2.5 lbs/can/ridge	USEPA		
44	Automotive Supply	bubble wrap reused		Waste	1,160,00	155,00								plastic	3 lbs/33 gal.	USEPA		
45	Automotive Supply	toner cartridge return		Waste	1,160,00	764,40								paper	2.2 lbs/med. box	USEPA		
46	Automotive Supply	OCC reuse		Waste	1,160,00	1,820,00								paper	35 lbs/m	Business		
47	Automotive Supply	bubble wrap reuse		Waste	1,160,00	780,00								plastic	15 lbs/m	Business		
48	Automotive Supply	toner cartridge return		Waste	1,160,00	30,00								other	2.5 lbs/can/ridge	USEPA		
49	Automotive Supply	security screening & recycling		Waste	1,160,00	60,934								paper	25.4 lbs/33 gal	Business	1,599,34	1.6%
50	Automotive Supply	OCC reuse		Waste	1,160,00	715,00								paper	1.1 lbs/ea	USEPA		
51	Automotive Supply	toner cartridge return		Waste	1,160,00	45,00								paper	2.5 lbs/bulk bag	USEPA		
52	Automotive Supply	OCC recycling		Waste	1,160,00	1,820,00								paper	35 lbs/m	Business		
53	Automotive Supply	toner cartridge return		Waste	1,160,00	9,000,00								plastic	50 lbs/m	Business		
54	Automotive Supply	metal scrap - recycle		Waste	1,160,00	6,500,00								metal	750 lbs/m	Business		
55	Automotive Supply	metal wheel repaired /		Waste	1,160,00	1,987								metal	5 lbs/ea. wheel	Business		

Ref.	Business Type	Activity Description	#	Yr. Restr.		Inerts	Inerts	Material	Conversion Factor (weight per count)	Source	Per year	
				Source	Recycling			Metals	R.	or Ag	Composting	
13	Healthcare	Cloth towels donated	280	441.08	141	Began	SR					44,108
14	Bank	OCC recycling	140	758.85	2,225.00							1,580
15	Bank	white ledger recycling	125.40	2,202.20								
16	Bank	durong	440.40									
17	Bank	MP reuse for packaging	25.41									
18	Bank	Scratch paper use	101.64									
19	Bank	Toner cartridge return	60.00									
20	Bank	durong	20.00	45.00	3,031.02							1,920
21	Bank	CPO recycling	45.00	2,440.00								
22	Bank	white paper recycling	450.00									
23	Bank	lum mail recycle	1,321.32									
24	Business	PE/T bottle reuse	17.0	62.40								1,060
25	Business	OCC recycling - s	743.60									
26	Business	OCC recycling - s	1,312.80									
27	Business	OCC recycling	105.00	186.87	3,035.37							
28	Business	Mixed paper recycling	190.67	3,033.33								
29	Business	OCC recycling	3.00	18,077.00								
30	Business	OCC recycling - s	4,160.00									
31	Business	film plastic recycle	2,600.00									
32	Business	CDR recycle	10.00									
33	Business	matress recycle	12,000.00									
34	Business	phone book recycle	10.00									
35	Business	NON-CONTAMINANT MATERIALS	6.00									
36	Business	SOIL CONTAMINANT MATERIALS	2.5									
37	Business	baker - slate bath	21.5	12,636.00								
38	Business	food for animals	21.0	175.00								
39	Business	W/L reuse	100.00									
40	Business	towels & sheets re-used as rags	75.00									
41	Business	OCC recycling	8.0	3108.57	15,621.96							
42	Business	pallet return in system @ 2.5m ²		15,621.96								
43	Business	bike parts donated	1,040.00									
44	Business	chip & MP recycling		104.00								
45	Business	toner cartridge return		10.00								
46	Business	OCC recycling - s		6,960.00	15,621.96							
47	Business	W/L recycle		2,600.00	4,550.00							
48	Business	MP recycle		130.00	390.00							
49	Business	pallet recycling - s		2,000.00								
50	Business	CDR recycling		390.00								
51	Business	toner cartridge return		10.00								
52	Business	OCC reuse		1,144.00								
53	Business	boot boxes set outside for W/L recycle		968.00	300.00							
54	Business	Glass bottles (non-CRV) recycling	650	1,703.25	22,252.25							
55	Business	reuse PS plastic	856.21		1,920.00							
56	Business	toner cartridge recycling		53.20								
57	Business	pallet return in system @ 2.5m ²	480.00									
58	Business	manmade recycling		15,600.00								
59	Business	newspaper recycling		5,000.00								
60	Business	com use vs. paper towels		100.00	100.00							
61	Business	OCC recycling		365.00	4,000.00	12,132.00						
62	Business	com use vs. paper towels		4,004.00		4,004.00						
63	Business	OCC reuse		1,144.00		400.40						
64	Business	OCC recycling										
65	Business	NON-CONTAMINANT MATERIALS	3.00									
66	Business	W/L paper recycling	1.75	295.45	1,981.05							
67	Business	toner cartridge return	18.40		1,04.00							
68	Business	computers & furniture donated	80.00									
69	Business	OCC newinfo	5.00	15,951	123,641							
70	Business	mixed debris recycling	101.64		132.00							
71	Business	toner cartridge return	15.00									
72	Business	Real estate		380.00								

Board Meeting
December 10-11, 2002

Agenda Item
Attachment 2a

Ref.	Business Type	Activity Description	EMP #	Source	Disposal (weight in pounds)		Yr. Recycl.	Inlets	Inlets	Material	Conversion Factor	Source	Disposal	Disposal Type
					Recycling	Materials	W. Print	on Ag	O. Ag	Composting	Type	Category	Weight per count	per year
138	Automobile Store	toner cartridge return		Reduction	390.00	SR	Began	SR	R	other	2.5 lbs/cartidge	USPA	2,400.00	124
139	Office Recycling	OCC recycling - s		Reduction	120.00	4,000.00	2,000.00			4 boxes in box	40 lbs/ea in system	USPA	2,000.00	104
140	Office Recycling	paper return in system & 5 min		Reduction	400.00					other org	40 lbs/ea in system	USPA		
141	Office Recycling	PS peanut reuse		Reduction	110.00	2,000.00	1,200.00			other	6.27 lbs/cv	Telus		
142	Office Recycling	WI Shred reuse		Reduction	121.00					paper	6 lbs/33 gal.	USPA		
143	Office Recycling	toner cartridge return		Reduction	90.00					other	2.5 lbs/cartidge	USPA	3,300.00	15.50
144	Office Recycling	OCC reduction due to usage		Reduction	22.50	12,800.00	18,800.00			paper	1.5 lbs/ea box disposed	USPA		
145	Office Recycling	OCC recycling		Reduction	12,280.00		16,800.00			paper	350 lbs/box	Business		
146	Office Recycling	CFO recycle		Reduction	80.00	30,000	13,500.00			paper	1.5 lbs/ea	Business	1,350.00	10.60
147	Office Recycling	toner cartridge return		Reduction	30.00		1,300.00			paper	2.5 lbs/cartidge	Business		
148	Office Recycling	paper recycled		Reduction	10,400.00					other org	40 lbs/pallet	USPA		
149	Office Recycling	photo film reprocessed for reuse		Reduction	100.00		31,200.00			paper	60 lbs/box	Business		
150	Office Recycling	paper recycling		Reduction	220.00	89,000.00	71,830.00			paper	100 lbs/yr	Business	1,760.00	98.7
151	Office Recycling	reuse for scratch paper		Reduction	43.62					paper	363.5 lbs/cv	Telus		
152	Office Recycling	duplicating		Reduction	4,362.12					paper	363.5 lbs/cv	Telus		
153	Office Recycling	recycle 1% color		Reduction	43.62					paper	363.5 lbs/cv	Telus		
154	Office Recycling	OCC recycling		Reduction	2,184.00		2,730.00			paper	2.2 lbs/med. box	USPA		
155	Office Recycling	toner cartridge return		Reduction	15.00					paper	2.2 lbs/med. box	USPA		
156	Office Recycling	paper reuse		Reduction	62,400.00					other	2.5 lbs/mtnddoe	USPA		
157	Office Recycling	magazine recycled		Reduction	2,000.00		3,624			paper	40 lbs/pallet	USPA		
158	Office Recycling	newspaper recycling		Reduction	312.00					paper	3 lbs/10 jms	USPA		
159	Office Recycling	online reports		Reduction	108.20					paper	1 lbs/a	Eco-Eats Field Study		
160	Office Recycling	catalogs online		Reduction	275.00					paper	5 lbs/stream	USPA		
161	Office Recycling	bulletin lugs		Reduction	156.00					paper	5 lbs/stream	USPA		
162	Office Recycling	OCC disposed by free use		Reduction	286.00					plastic	1.5 lbs/cv	Business		
163	Office Recycling	bullet return @ 3/WK		Reduction	240.00					paper	1 lb/box disposed	USPA		
164	Office Recycling	wood taken home by employees		Reduction	2,000.00	3,000.00	3,000.00			paper	40 lbs/ea in system	USPA	3,000.00	11.85
165	Office Recycling	paper return @ 15MM		Reduction	1,200.00					other	75 lbs/box	Business		
166	Office Recycling	OCC recycling		Reduction	5,148.00					paper	40 lbs/ea in system	USPA	3,065.20	11.85
167	Office Recycling	WI recycle		Reduction	250.00					paper	5 lbs/stream	USPA		
168	Office Recycling	hangers returned for reuse		Reduction	3,077.25					paper	1 lb/ea box	Eco-Eats Field Study		
169	Office Recycling	OCC reuse		Reduction	1,691.00	3,090.00	3,090.00			paper	2.1 oz. hanger	Eco-Eats Field Study		
170	Office Recycling	OCC reuse		Reduction	322.00					other	75 lbs/box	Business		
171	Office Recycling	OCC cores reused		Reduction	4,688.00					paper	2.2 lbs	USPA		
172	Office Recycling	chipboard reuse		Reduction	2,400.00					paper	1 lbs/ea	Business		
173	Office Recycling	durable plastic reuse		Reduction	5.00					paper	2,400 lbs/yr	Business		
174	Office Recycling	durable plastic reuse		Reduction	30.00					plastic	1 lbs/30 pieces	Business		
175	Office Recycling	durable plastic reuse		Reduction	150.00					plastic	5 lbs/each	Business		
176	Office Recycling	textile reuse		Reduction	1,050.00					plastic	1 lbs/2 pieces	Business		
177	Office Recycling	online reports		Reduction	3,64					other	1050 lbs/yr	Business		
178	Office Recycling	magazines reused		Reduction	27.00					paper	2.2 lbs	USPA		
179	Office Recycling	HOPE reuse		Reduction	384.00					paper	5 lbs/stream	USPA		
180	Office Recycling	paper return - Imo		Reduction	80.00					paper	5 lbs/stream	USPA		
181	Office Recycling	OCC recycling - s		Reduction	5,200.00					paper	5 lbs/stream	USPA	3,200.00	12.22
182	Office Recycling	toner cartridge return		Reduction	10.00					paper	2.2 lbs	USPA		
183	Office Recycling	magazines reused		Reduction	27.00					paper	1 lbs/ea	Business		
184	Office Recycling	HOPE reuse		Reduction	384.00					paper	2,400 lbs/yr	Business		
185	Office Recycling	paper return - Imo		Reduction	80.00					plastic	1 lbs/30 pieces	Business		
186	Office Recycling	OCC recycling - s		Reduction	5,200.00					plastic	5 lbs/each	Business		
187	Office Recycling	toner cartridge return		Reduction	10.00					other	1050 lbs/yr	Business		
188	Office Recycling	magazines reused		Reduction	27.00					paper	2.2 lbs	USPA		
189	Office Recycling	HOPE reuse		Reduction	384.00					paper	5 lbs/stream	USPA		
190	Office Recycling	paper return - Imo		Reduction	80.00					paper	5 lbs/stream	USPA		
191	Office Recycling	OCC recycling - s		Reduction	5,200.00					paper	5 lbs/stream	USPA	3,200.00	12.22
192	Office Recycling	toner cartridge return		Reduction	10.00					paper	2.2 lbs	USPA		
193	Office Recycling	magazines reused		Reduction	27.00					paper	1 lbs/ea	Business		
194	Office Recycling	HOPE reuse		Reduction	384.00					paper	2,400 lbs/yr	Business		
195	Office Recycling	paper return - Imo		Reduction	80.00					plastic	1 lbs/30 pieces	Business		
196	Office Recycling	OCC recycling - s		Reduction	5,200.00					plastic	5 lbs/each	Business		
197	Office Recycling	toner cartridge return		Reduction	10.00					other	1050 lbs/yr	Business		
198	Office Recycling	magazines reused		Reduction	27.00					paper	2.2 lbs	USPA		
199	Office Recycling	HOPE reuse		Reduction	384.00					paper	5 lbs/stream	USPA		
200	Office Recycling	paper return - Imo		Reduction	80.00					paper	5 lbs/stream	USPA		
201	Office Recycling	OCC recycling - s		Reduction	5,200.00					paper	5 lbs/stream	USPA	3,200.00	12.22
202	Office Recycling	toner cartridge return		Reduction	10.00					paper	2.2 lbs	USPA		
203	Office Recycling	magazines reused		Reduction	27.00					paper	1 lbs/ea	Business		
204	Office Recycling	HOPE reuse		Reduction	384.00					paper	2,400 lbs/yr	Business		
205	Office Recycling	paper return - Imo		Reduction	80.00					plastic	1 lbs/30 pieces	Business		
206	Office Recycling	OCC recycling - s		Reduction	5,200.00					plastic	5 lbs/each	Business		
207	Office Recycling	toner cartridge return		Reduction	10.00					other	1050 lbs/yr	Business		
208	Office Recycling	magazines reused		Reduction	27.00					paper	2.2 lbs	USPA		
209	Office Recycling	HOPE reuse		Reduction	384.00					paper	5 lbs/stream	USPA		
210	Office Recycling	paper return - Imo		Reduction	80.00					paper	5 lbs/stream	USPA		
211	Office Recycling	OCC recycling - s		Reduction	5,200.00					paper	5 lbs/stream	USPA	3,200.00	12.22
212	Office Recycling	toner cartridge return		Reduction	10.00					paper	2.2 lbs	USPA		
213	Office Recycling	magazines reused		Reduction	27.00					paper	1 lbs/ea	Business		
214	Office Recycling	HOPE reuse		Reduction	384.00					paper	2,400 lbs/yr	Business		
215	Office Recycling	paper return - Imo		Reduction	80.00					plastic	1 lbs/30 pieces	Business		
216	Office Recycling	OCC recycling - s		Reduction	5,200.00					plastic	5 lbs/each	Business		
217	Office Recycling	toner cartridge return		Reduction	10.00					other	1050 lbs/yr	Business		
218	Office Recycling	magazines reused		Reduction	27.00					paper	2.2 lbs	USPA		
219	Office Recycling	HOPE reuse		Reduction	384.00					paper	5 lbs/stream	USPA		
220	Office Recycling	paper return - Imo		Reduction	80.00					paper	5 lbs/stream	USPA		
221	Office Recycling	OCC recycling - s		Reduction	5,200.00					paper	5 lbs/stream	USPA	3,200.00	12.22
222	Office Recycling	toner cartridge return		Reduction	10.00					paper	2.2 lbs	USPA		
223	Office Recycling	magazines reused		Reduction	27.00					paper	1 lbs/ea	Business		
224	Office Recycling	HOPE reuse		Reduction	384.00					paper	2,400 lbs/yr	Business		
225	Office Recycling	paper return - Imo		Reduction	80.00					plastic	1 lbs/30 pieces	Business		
226	Office Recycling	OCC recycling - s		Reduction	5,200.00					plastic	5 lbs/each	Business		
227	Office Recycling	toner cartridge return		Reduction	10.00					other	1050 lbs/yr	Business		
228	Office Recycling	magazines reused		Reduction	27.00					paper	2.2 lbs	USPA		
229	Office Recycling	HOPE reuse		Reduction	384.00					paper	5 lbs/stream	USPA		
230	Office Recycling	paper return - Imo		Reduction	80.00					paper	5 lbs/stream	USPA		
231	Office Recycling	OCC recycling - s		Reduction	5,200.00					paper	5 lbs/stream	USPA	3,200.00	12.22
232	Office Recycling	toner cartridge return		Reduction	10.00					paper	2.2 lbs	USPA		
233	Office Recycling	magazines reused		Reduction	27.00					paper	1 lbs/ea	Business		
234	Office Recycling	HOPE reuse		Reduction	384.00					paper	2,400 lbs/yr	Business		
235	Office Recycling	paper return - Imo		Reduction	80.00					plastic	1 lbs/30 pieces	Business		
236	Office Recycling	OCC recycling - s		Reduction	5,200.00					plastic	5 lbs/each	Business		
237	Office Recycling	toner cartridge return		Reduction	10.00					other	1050 lbs/yr	Business		
238	Office Recycling	magazines reused		Reduction	27.00					paper	2.2 lbs	USPA		
239	Office Recycling	HOPE reuse		Reduction	384.00					paper	5 lbs/stream	USPA		
240	Office Recycling	paper return - Imo		Reduction	80.00					paper	5 lbs/stream	USPA		
241	Office Recycling	OCC recycling - s		Reduction	5,200.00	</td								

Ref.	Business Type	Activity Description	EMP #	Source	Reduction	Material	SR	Waste	Yr. Rec'd	Inerts	Inerts or Ag.	Composting	Material	Type	Conversion Factor	Source	Material	Category	Conversion Factor	Source	Material
58	Manufacturing	Furniture donated	30		150.00		R														
59	Manufacturing	OHP reuse	100		260.00																
60	Manufacturing	OCC reuse	50		273.00																
61	Manufacturing	OCC reuse	30		372.40																
62	Manufacturing	OCC reuse	114.40																		
63	Manufacturing	Simco Ok & Auto Industrial Services	50		260.00																
64	Manufacturing	Simco Ok & Auto Industrial Services	100		500.80																
65	Manufacturing	magazines reuse - given to customers	70.00																		
66	Manufacturing	Wt. savings due to shrink	41.00																		
67	Manufacturing	plastic 55 gal. drum reuse	390.00																		
68	Manufacturing	pallet reuse @ 4/mo	12.00																		
69	Manufacturing	pallet return or scavenged	80		200.00																
70	Manufacturing	paper reuse @ 4 yr.	120.00		120.00																
71	Manufacturing	Wt. reduction do to scratch paper	160.00																		
72	Manufacturing	OCC reuse	686.40																		
73	Manufacturing	OCC recycling	343.20		688.40																
74	Manufacturing	OCC recycling	343.20		684.20																
75	Manufacturing	OCC reuse	120.00		120.00																
76	Manufacturing	pallet reuse @ 40/mo	700.00		700.00																
77	Manufacturing	Wt. recycling	19,200.00		19,200.00																
78	Manufacturing	plastic bucket reuse	195.20		8,000.00																
79	Manufacturing	toner cartridge reuse	20.00																		
80	Manufacturing	furniture donation	3,000.00																		
81	Manufacturing	plastics/reclaimed products/other plastic	120.00		120.00																
82	Manufacturing	NCR paper reused/reused for packaging	63.00																		
83	Manufacturing	Wt. paper reused/reused for packaging	120.00																		
84	Manufacturing	OCC reuse	1,560.00																		
85	Manufacturing	OCC reuse	658.00																		
86	Manufacturing	OCC reuse	429.00																		
87	Manufacturing	magazines shred / reuse as packing	7.80																		
88	Manufacturing	pallet rebuild or from scrap wood & MP Paper	4,800.00																		
89	Manufacturing	Plastic 5 gal. bucket reuse	138.50																		
90	Manufacturing	OHP reuse as packing	68.40																		
91	Manufacturing	bubble wrap reuse	312.00																		
92	Manufacturing	PS peanuts reuse	156.00																		
93	Manufacturing	OCC reduction due to tote use	11,440.00		572.00																
94	Manufacturing	OCC recycling	17,150.00																		
95	Manufacturing	PS reuse	12.54		5,200.00																
96	Manufacturing	food bank donation	185.00																		
97	Manufacturing	toner cartridge return	3,120.00		3,120.00																
98	Manufacturing	OCC recycling - s	4,000.00		4,362.00																
99	Manufacturing	pallets reused for different customers	3,635.00																		
100	Manufacturing	MP recycled	800.00																		
101	Manufacturing	books & toys donated	75.00																		
102	Manufacturing	toner cartridge return	156.00																		
103	Manufacturing	OCC recycling - s	2,000.00		104,000.00																
104	Manufacturing	toner cartridge return	780.00		31,200.00																
105	Manufacturing	metal Al. scrap recycled	1,040.00		1,040.00																
106	Manufacturing	OCC recycling	100.00		100.00																
107	Manufacturing	books & toys donated	70.00		4,000.00																
108	Manufacturing	toner cartridge return	156.00		5,000.00																
109	Manufacturing	OCC reuse	98,450.00		98,450.00																
110	Manufacturing	Wt. & CPO reused as packing	720.00		22.50																
111	Manufacturing	toner cartridge return	510		4,644.00																
112	Manufacturing	toner cartridge return	510		4,644.00																

Ref. No.	Business Type	Activity Description	EMP #	Source	Disposal (weight in pounds)			Yr. Recycl.	Inerts	Inerts	Material	Conversion Factor (category)	Source	Production & Disposal	
					Recycling	Metals	Metals W/Pmm							Business	per year
1	OCC reuse	OCC reuse metal boxes	1,040.00	Reduction	SR	R	Began	SR	paper	4 lbs/ea lg. box	Business	2.2 lbs/med. box	USEPA	2,200.00	2,200.00
2	duplicating		572.00						paper	5 lbs/ea	Business	5 lbs/ea	USEPA	2,860.00	2,860.00
3	bottle/wine reuse		600.00						paper	3 lbs/ea 16 fl. oz.	Business	3 lbs/ea	USEPA	1,800.00	1,800.00
4	pallet reuse to customers @ 5mo		72.00						plastic	40 lbs/pallet	Business	40 lbs/ea in system	USEPA	2,880.00	2,880.00
5	WATER		2,000.00						other org	40 lbs/ea	Business	40 lbs/ea	USEPA	8,000.00	8,000.00
6	OCC recycling - s	OCC reuse as packing	1,520.00						paper	30 lbs/ea	Business	30 lbs/ea	Business	5,000.00	5,000.00
7	Private Schools	OCC reuse	240.00	OCCE reuse	240.00				paper	1 lbs/ea	Business	1 lbs/ea	Business	960.00	960.00
8	WATER	WL paper reuse & duplicating	180.00						paper	20 lbs/ea	Business	20 lbs/ea	Business	3,600.00	3,600.00
9	Plastic HOP-E	Plastic HOP-E 15 gal. reuse	85.80						plastic	0.39 lbs/ea bottle	Business	0.39 lbs/ea bottle	USEPA	323.00	323.00
10	WATER	WL recycle - monthly	120.00						plastic	10 lbs/ea drum	Business	10 lbs/ea drum	USEPA	1,200.00	1,200.00
11	WL recycle - end of year		3,000.00						paper	5 lbs/ream	Business	5 lbs/ream	USEPA	15,000.00	15,000.00
12	CFO recycle - monthly		1,200.00						paper	5 lbs/ream	Business	5 lbs/ream	USEPA	6,000.00	6,000.00
13	OCC recycle - end of year		1,300.00						paper	1.08 lbs/ea bottle	Business	1.08 lbs/ea bottle	USEPA	1,300.00	1,300.00
14	duplicating		1,300.00						plastic	7.45 lbs/ea (all)	Business	7.45 lbs/ea (all)	USEPA	9,865.00	9,865.00
15	non CRV glass, wine & spirits - recycled		3,931.20						other org	40 lbs/pallet	Business	40 lbs/ea	Business	15,644.00	15,644.00
16	Grease recycle		7,102.33						other org	100 lbs/ea	Business	100 lbs/ea	Business	35,000.00	35,000.00
17	pallets recycled		2,400.00						other org	3 lbs/ea	Business	3 lbs/ea	Business	12,000.00	12,000.00
18	food donation		5,200.00						other org	4 lbs/ea	Business	4 lbs/ea	Business	20,800.00	20,800.00
19	streets donated		225.00						other org	0.1 lbs/ea	Business	0.1 lbs/ea	Business	9.00	9.00
20	pillows donated & use as rags		200.00						other org	2 lbs/ea	Business	2 lbs/ea	Business	400.00	400.00
21	Pillow cases donated & use as rags		37.50						other org	6 = 1lb	Business	6 = 1lb	Business	22.50	22.50
22	bed Pads donated & use as rags		60.00						other org	1 lbs/ea	Business	1 lbs/ea	Business	30.00	30.00
23	wash cloths reused as rags reuse		5.00						other org	3 = 1 lb	Business	3 = 1 lb	Business	15.00	15.00
24	bath towels reused as rags reuse		10.00						other org	40 lbs/ea	Business	40 lbs/ea	Business	400.00	400.00
25	hand towels reused as rags reuse		5.00						other org	20 lbs/ea chair	Business	20 lbs/ea chair	Business	100.00	100.00
26	tables donated		720.00						other org	34.4 lbs/cy	Business	34.4 lbs/cy	Business	25,360.00	25,360.00
27	carpet donated		80.00						other org	20 lbs/ea	Business	20 lbs/ea	Business	1,600.00	1,600.00
28	training manuals online		210.00						paper	67.656.12 lbs/cy	Business	67.656.12 lbs/cy	Business	1,353,312.00	1,353,312.00
29	CHOW LUM PON/PRO/CC/Asian OCC		500.00						paper	5 lbs/ream	Business	5 lbs/ream	Business	2,500.00	2,500.00
30	Training materials online		210.00						metal	similar to wood tail	Business	similar to wood tail	Business	1,050.00	1,050.00
31	HOP-E, Salmon buckets reused		3,700.28						metal	1.9 lbs/bucket	Business	1.9 lbs/bucket	Business	7,000.56	7,000.56
32	PC's peanuts reused		78.00						plastic	1.5 lbs/ea qal	Business	1.5 lbs/ea qal	Business	117.00	117.00
33	planning flats & return to nursery		258.00						plastic	Business records	Business	Business records	Business	396.00	396.00
34	printing plates & aluminum		48.557.80						metal	46.69 lb/cy	Business	46.69 lb/cy	Business	2,255,885.00	2,255,885.00
35	tree trimmings mulch & tens onsite		10,230.00						other org	10.39 lbs/cy	Business	10.39 lbs/cy	Business	106,950.00	106,950.00
36	ballets recycled - central		48.557.80						other org	73.89 lbs/bm	Business	73.89 lbs/bm	Business	3,595,366.00	3,595,366.00
37	ballets recycled - parts center		87.319.60						other org	22.00 lbs/bm	Business	22.00 lbs/bm	Business	1,946,392.00	1,946,392.00
38	tree recycling		2,200.00						other org	2.5 lbs/cubic ft	Business	2.5 lbs/cubic ft	Business	5,000.00	5,000.00
39	corner cartons return		1,375.00						other org	28.31 lbs/cy	Business	28.31 lbs/cy	Business	38,474.00	38,474.00
40	donated off furniture, clothes CPT's		1,375.00						other org	1.1 lbs/ea sm box	Business	1.1 lbs/ea sm box	Business	1,485.50	1,485.50
41	OCC recycling sm boxes		3,650.00						paper	1.2 lbs/ea med. box	Business	1.2 lbs/ea med. box	Business	4,380.00	4,380.00
42	OCC recycling metal boxes		7,316.00						paper	0.39 lbs/ea	Business	0.39 lbs/ea	Business	2,884.00	2,884.00
43	plastic HOP-E qal reuse		1,441.44						plastic	40 lbs/ea in system	Business	40 lbs/ea in system	Business	57,657.60	57,657.60
44	Paint & Accessories fresh		5.0						other org	40 lbs/ea	Business	40 lbs/ea	Business	1,500.00	1,500.00
45	OCC reuse		720.00						paper	2,000 lbs/mo	Actual Weight Tickets	2,000 lbs/mo	Actual Weight Tickets	14,400.00	14,400.00
46	Management of Non-Industrial Businesses		3,940.00						other org	40 lbs/ea in system	Business	40 lbs/ea in system	Business	15,760.00	15,760.00
47	OCC recycling		2,400.00						paper	1000 lbs/mo	Business	1000 lbs/mo	Business	2,400.00	2,400.00
48	WATER	OCCE reuse	720.00						paper	200 lbs/mo	Business	200 lbs/mo	Business	4,800.00	4,800.00
49	Recycling	NO DIFFERENT ACTIVITIES	4.0						paper	200 lbs/mo	Business	200 lbs/mo	Business	8.00	8.00
50	Auto Repairs	WATER	9.0						plastic	2.5 lbs/cy	Tellus	2.5 lbs/cy	Tellus	22.50	22.50
51	metal trimmings recycled		4,459.00						other	44.69 lbs/cy	USEPA	44.69 lbs/cy	USEPA	198,455.00	198,455.00
52	metal scrap recycle		7.0						plastic	167.38 lbs/cy	Actual Weight Tickets	167.38 lbs/cy	Actual Weight Tickets	1,141.04	1,141.04
53	pallets returned @ 24/lb		1,920.00						metal	40 lbs/ea in system	Business	40 lbs/ea in system	Business	76,800.00	76,800.00
54	OCC reuse		15.0						other org	40 lbs/ea	Business	40 lbs/ea	Business	375.00	375.00
55	Recycling	Tim plastic car reuse	3.25						plastic	0.25 oz/ea	Business	0.25 oz/ea	Business	0.00	0.00
56	duplexing		2,400.00						paper	200 lbs/mo	Business	200 lbs/mo	Business	4,800.00	4,800.00
57	PS products reuse		60.00						plastic	3 lbs/cy	Tellus	3 lbs/cy	Tellus	180.00	180.00
58	tire cartridges return		800.00						other	2.5 lbs/cubic ft	Tellus	2.5 lbs/cubic ft	Tellus	2,000.00	2,000.00
59	OCC recycling		4,459.00						plastic	44.69 lbs/cy	USEPA	44.69 lbs/cy	USEPA	198,455.00	198,455.00
60	OCC reused		2,400.00						other org	40 lbs/pallet	Business	40 lbs/pallet	Business	9,600.00	9,600.00
61	Plumbing, Heating, Cooling & Comm.		210.0						paper	50 lbs/m	Business	50 lbs/m	Business	1,050.00	1,050.00
62	OCC recycling - S		7,800.00						paper	5 lbs/cy	USEPA	5 lbs/cy	USEPA	39,000.00	39,000.00
63	Plumbing, Heating, Cooling & Comm.		720.00						paper	40 lbs/pallet	Business	40 lbs/pallet	Business	2,880.00	2,880.00
64	Plumbing, Heating, Cooling & Comm.		8.0						paper	2.2 lbs/ea med. box	USEPA	2.2 lbs/ea med. box	USEPA	16.00	16.00
65	OCC recycling - S		4,004.00						paper	2.2 lbs/ea med. box	USEPA	2.2 lbs/ea med. box	USEPA	8,008.00	8,008.00

Ref.	Business Type	Activity Description	EA#	Source	Diversion (weight in pounds)	Yr. Recycled	Wt/Pmt	Metals	SR	Material	Diversion (%)	Diversion (Pounds)
No.			#	Reduction			Began	R		Type	(Category)	Conversion Factor (weight per count)
86	TRW & Infrastructure Services	Batteries returned @ 8wk.		640.00						other org	40 batteries in system	USEPA
		batteries returned		12.0						other	20 batteries	USEPA
87	East & Gulf Refining Company	Toner cartridge return		10.00						other	2.5 toner/cartridge	USEPA
88	East & Gulf Refining Company	NON-DIVERSION ACTIVITIES	70									
89	East & Gulf Refining Company	Machine Shop		20.00								
	OCC recycling - s			7,070.00								
	OCC reused			2,600.00						paper	50 lbs/wk.	Business
	pellet return @ 650hr calc 546ton			4,320.00						paper	50 lbs/wk.	Business
	metal ferrous recycle									other org	40 batteries in system	USEPA
	metal non-ferrous recycle									metal	200 lbs/6 mo	Business
	electronic equip. donated			150.00						other	150 lbs/yr	Business
90	General Merchandise Store	DCC, reuse	180	432.66						paper	2.2 lbs/ea. med. box	USEPA
	toner cartridge return			5.00						other	2.5 lbs/can/kite	USEPA
	metal scrap recycle			3,405.18						metal	1600 lbs/mo	Business
91	General Merchandise Store	Printer Cartridges	92	2,600.00						other	150 lbs/yr	Business
	toner cartridge return (20wks)			2,600.00						other org	40 batteries in system	USEPA
	pellet return @ 4wk.			320.00						paper	2.2 lbs/ton / acre	CWMB
	grasscycling			488.16						yard waste	7.6 tons / acre	CWMB
92	Furniture Store	OCC recycling	93	4,650.00						paper	327.456.00	Business
	pellet return @ 35wk.			2,800.00						paper	600 lbs/bale	Business
	metal stands & fittings - given for R									other org	40 batteries in system	USEPA
	toner cartridge return			80.00						metal	100 lbs/yr	Business
	food overdose - donated			2,600.00						other	2.5 lbs/card/kite	USEPA
	durable damaged goods donated			15,600.00						other org	300 lbs/mo	Business
	donate textiles, overstocked items			25,740.00						other	33 lbs/ea. 3 gal.	Business
	plastic lumber reuse (cuttin only 1x)			2,250.00						plastic	0.3 lbs/ea.	Business
	tires recycled			41,600.00						other	20 lbs/ea.	USEPA
93	Furniture Store	NON-DIVERSION ACTIVITIES	70									
	pellet return @ 35wk.			15.00						other	2.6 lbs/can/kite	USEPA
	toner cartridge return			15.00						paper	1.1 lbs/ea. sm. box	USEPA
	OCC recycling			1,246.00						paper	1 lbs/ea.	EcoTelles Field Study
	ONP recycle			365.00						paper	8 lbs/33 gal.	USEPA
94	Furniture Store	WL security shredding/recycle	95	288.00						paper	10 lbs/ea. lg. trick box	Business
	OPO shredding/recycle			35,000.00						paper	1 lb/1000 plastic bags	Business
	OCC recycling - s			38,000.00						paper	10 lbs/mo	Business
	disaster film reuse			1,000.00						paper	3 lbs/10 units	USEPA
	pellet return due to OH-ing			120.00						paper	1.1 lbs/sm. box	USEPA
95	Electronics Assembly	OCC recycling - s	96	2,176.00						paper	2.2 lbs/ea. med. box	USEPA
	Pallets recycle			3,120.00						paper	4 lbs/ea. lg. box	USEPA
	OPO shredded & used askнич			2,176.00						paper	50 lbs/ea.	USEPA
	WV recycle			3,732.00						plastic	16.64 lbs/whl boxes	Business
	magazine donate			150.00						paper	2,900.00	Business
97	Manufacture & Sales of Photovoltaic Cells & Components	4.5		988.40						plastic	6.21 lbs/cy	USEPA
	OCC sm. reuse			228.00						paper	1.1 lbs/sm. box	USEPA
	OCC med. reuse			114.40						paper	2.2 lbs/ea. med. box	USEPA
	OCC lg. reuse			624.00						paper	4 lbs/ea. lg. box	USEPA
98	Uniform Store	NON-DIVERSION ACTIVITIES	4.0							paper	50 lbs/ea.	USEPA
	Car Wash			2,800.00						plastic	16.64 lbs/whl boxes	Business
	Plastic 55 gal. drum return (refilled)			2,600.00						paper	2,900.00	Business
100	Manufacture of Medical Devices	Waste Recycling	99	3,200.00						plastic	3 lbs/10 units	USEPA
	OCC reuse			400.00						paper	40 batteries in system	USEPA
	pallet return @ 5wk.			121.88						other org	40 batteries in system	USEPA
	shirts donated to schools			625.00						other	2.5 lbs/can/kite	USEPA
	bumble wrap reuse			156.00						other	16.64 lbs/whl boxes	Business
	PS peanuts reuse			108.00						paper	2.2 lbs/ea.	USEPA
	pallet reuse (shirts products to cust.)			31,200.00						paper	40 lbs/pallet	USEPA
	toner cartridge return			37.50						paper	0.3 lbs/ea.	USEPA
	grease recycling			4,920.00						paper	7.45 lbs/gal.	EcoTelles Field Study
103	Hotel	ONP recycling		728.00						paper	1 brea.	EcoTelles Field Study
	WV recycle			236.41						paper	500 lbs/2 wks	Business
	OCC recycling			13,000.00						paper	7.45 lbs/gal	Business
	grease recycling			104,000.00						other org	150-200 lbs/yr	Business
	food recycling - donated			2,307.00						other org	40 batteries in system	USEPA
	pallets returned @ 5wk.			175.00						other	1.25 oz per bar soap	Business
	soaps donated to schools			2,400.00						other org	3.5 oz Dbl & 6 oz Kao	EcoTelles Field Study
	diaper cases made into bags			625.00						other org	.94 lb = 5 gal & .3 lb = 15 gal	EcoTelles Field Study
	diaper cases made into bags			843.75						paper	1.25 oz	EcoTelles Field Study
	pl. scrap bottles return to vendor			472.60								

Ref. No.	Business Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)			Yr. Recy.	Inerts	Inerts	Material Type	Conversion Factor (Weight per Count)	Source	Diversion (%)	
					Recycling	Metals	W/Film							per Year	per Year
154	Retail Store	OCC reuse	150	3,950.00	4,800.00	SR	R	Began	SR	SR	paper	1.1 lbs/ea sm. box	USEPA	54,625.00	21.7%
		W/L reduction due to duplicate			3,950.00						paper	5 lbs/stream	Business		
		chipboard reuse/ packing			76.50						paper	1 lbs/ea	Business		
		paper packing reuse			52.00						paper	8 lbs/ea	Business		
		phone book reuse/ packing			96.00						paper	4 lbs/ea	Business		
		CFO reuse/ packing			25.00						paper	5 lbs/stream	USEPA		
		OHP reuse/ packing			375.00						paper	1 lbs/ea	EcoTels Field Study		
		plastic bubble wrap reuse			9.00						plastic	3 lbs/ea	USEPA		
		plastic bubble wrap reuse			18.00						plastic	1.5 lbs/ea	USEPA		
		plastic bubble wrap reuse			3.00						plastic	0.75 lbs/ea	USEPA		
166	Retail Store	OCC recycling / s			28.00						paper	40 lbs/pallet	USEPA	32,020.00	26.0%
		textiles donated for reuse			540.00						paper	2.2 lbs/ea met. box	USEPA		
168	Electronics & Computer	OCC recycling - s			150.00						paper	30 lbs/ea 33 gal bag	EcoTels Field Study	8,660.00	10.0%
		W/L recycle			2,600.00						paper	50 lbs/ea	Business		
		toner cartridge return			100.00						paper	100 lbs/ea	Business		
		pallet recycle s @ 28Wk			150.00						other org	2.5 lbs/canage	USEPA		
169	Manufacturing Facility	OCC reuse			24,750.00						paper	40 lbs/pallet	USEPA	247,500.00	12.3%
		wood crates & 30'x60' tressed			16,000.00						paper	40 lbs/ea in system	Business		
170	Furniture Co.	OCC recycling			2.0						paper	75-100 boxes in system	Business	220,000.00	0.1%
		OCC recycling			228.00						paper	1.1 lbs/ea sm. box	USEPA		
171	Phone Frame Manufacturing	OCC recycling			13.0						paper	2.2 lbs/ea met. box	USEPA	8,660.00	4.9%
		team reuse			5,950.00						paper	30 lbs/ea 33 gal bag	EcoTels Field Study		
172	Computer & Research Div.	Pallet recycle s @ 4.5mo			2,150.00						paper	50 lbs/ea	Business		
		pallets reuse @ 20Wk			800.00						other org	40 lbs/pallet	USEPA	16,000.00	0.9%
		W/L recycle			120.00						paper	5 lbs/pallet	USEPA		
		OCC reuse			850.00						paper	1.1 lbs/ea sm. box	USEPA		
		toner cartridge return			150.00						paper	2.5 lbs/canage	USEPA		
173	Office Supply Retail	NON-INTERNSHOP ACTIVITIES			6.0						other org	56 lbs = CPO monitor	USEPA/PAW/arts West		
174	Machine Shop	OCC reuse			286.00						paper	10 lbs/ea	Business	2,860.00	0.9%
		OCC recycling			260.00						paper	5 lbs/ea	Business		
175	Antique Shop	COLLECTOR'S QUANTITY ACTIVITIES			3.0						paper	10 lbs/ea	Business		
		W/L return			180.00						paper	15 lbs/ea	Business	1,800.00	1.0%
		junk mail recycle			120.00						paper	10 lbs/ea	Business		
		PS peanut & bubble wrap reuse			240.00						plastic	20 lbs/ea	Business		
		plastic recycle			120.00						plastic	10 lbs/ea	Business		
		styrofoam			50.00						plastic	50 lbs/ea	Business		
176	Office Shop	PS peanut reuse			12.0						plastic	6.27 lbs/cy	Telus	3,773.50	0.6%
		OCC reuse			171.50						paper	1.1 lbs/ea sm. box	USEPA		
		OCC reuse for donate			2,047.50						paper	1.2 oz/ea box	Actual Wt.		
		W/L reduction/ scratch paper			520.00						paper	5.4 oz/ea box	Actual Wt.		
		Other Products - s/sale			550.00						paper	5 lbs/ea	USEPA		
		CPO security strapping/recycles			520.00						paper	5 lbs/ea	EcoTels Field Study	13,844.00	65.9%
		OCC recycling			5,200.00						paper	1 lbs/ea	Telus		
		OCC recycling			75.14						paper	50.00 lbs/cy	USEPA		
177	Chipping Stone & Reuse	durable fixtures reused &			1,500.00						plastic	0.5 lbs ea	Business	2,500.00	1.2%
		textiles donated			1,040.00						other org	20 lbs/ea	Business		
		OCC recycling			4,160.00						paper	80 lbs/ea	Business		
		plastics returned @ 5wk			400.00						other org	40 lbs/ea in system	USEPA		
		toner cartridge return			60.00						other	2.5 lbs/canage	USEPA		
		furniture donated			4,160.00						other	80 lbs/ea	Business		
		W/L recycle			1,300.00						paper	5 lbs/ea	USEPA		
178	Office Supplies - retail	durables returned &			2.0						plastic	0.5 lbs ea	Business	2,500.00	1.2%
		OCC recycling			1,040.00						other org	20 lbs/ea	Business		
		plastic film reuse			1,040.00						paper	40 lbs/ea	Business		
179	Retail Bookseller	books & videos			145.00						paper	5 lbs/ea	Business	5,525.00	3.2%
		paper soft Q/HM			16,640.00						paper	40 lbs/ea	Business		
		W/L reduction due to duplicating			2.50						paper	5 lbs/ea	USEPA		
		toner returned / printer cart			1,580.00						paper	5 lbs/ea	Business		
		metal scrap / aluminum window frames			1,905						metal	30 lbs/ea	Business		
180	Hardware Store	plastic film reuse			3,120.00						plastic	1 lbs/ea	Business	3,120.00	1.5%
		plastic HOPEx reuse - 1 gal.			1,458.00						plastic	0.9 lbs/ea	EcoTels Field Study		
		plastic HOPEx reuse - 3 gal.			1,838.00						plastic	0.9 lbs/ea	EcoTels Field Study		

Ref No.	Business Type	Activity Description	Emp #	Diversions (weight in pounds)	Yr. Recy.	Ints.	Inerts	Material	Conversion Factor (weight per count)	Source	Disposal
				Source	Reduction	Recycling	Metals	R or Ag	Composting		
				SR	R	Began	SR	R			
123	Bank	plastic H/P/E reuse - 5 gal.		3,458.00						1.9 lbs ea.	EcoTellesis Field Study
		plastic H/P/E reuse - 15 gal.		624.00						4 lbs ea.	EcoTellesis Field Study
		OCC reuse med. box		15,589.00						2.2 lbs ea. med. box	USEPA
		plastic H/P/E 1gal. bucket/reused		985.00						1.8 lbs ea.	USEPA
		plastics reused @ 5yr		200.00						40 lbs/pallet	USEPA
124	Church	Toner return		7.01	15.00						
		Wt. reduction due to duplication		4.0	48.50						
		Wt. reduction due to updating		39.00	17.50	1,804,655.00	1,804,655.00				
		Wt. reduction due to updating		40	49.00	1,804,655.00	1,804,655.00				
125	Church	tower cartridge return		7.50							
		Wt. reduction due to updating		39.00	17.50	1,804,655.00	1,804,655.00				
		Wt. reduction due to updating		40	49.00	1,804,655.00	1,804,655.00				
126	Church	OCC recycling									
		firm plastic recycle									
		platters returned @ .50/lb/kw		40,000.00	1,170,000.00						
		Wt. & CPU recycle									
		tower cartridge return									
		metal AL. 10 gal. reused 12.000/PDPY									
		metal screen recycled 26.000/PDPY									
127	Auto Body & Paint Shop	Tires recycled									
		OCC reuse									
		OCC recycling - S									
		metal screen recycle									
128	Restaurant	Plastic & Paper Recycling									
		OCC reduction due to use @ 5%									
		plastic - pen chit & recycling									
		plaster recycle or reuse?/									
		ballots reused @ 62.5/kw									
129	Office	Wood shims/DO boxes reused (11X credit)									
		Wt. reduction due to on-line purchasing									
		OCC reuse									
		OCC reuse									
		Wt. reduction due to double sided copying									
		Wt. reuse / Manila envelopes reused									
		CPN recycle									
		Plastic 5 gal. reuse									
		plastic ground pens & pens recycled									
		Used nylons recycled and @ 30/mo									
		Wt. reduction due to on-line purchases									
		OCC reuse - carriers to protect products									
		OCC reduction due to tone use - system count									
130	Other Manufacturing & Processing	OCC recycling									
		Wt. reduction due to on-line purchasing									
		OCC reuse									
		Wt. reduction due to scratch									
131	Facilities	Wt. reduction due to scratch									
		Wt. reduction due to scratch									
		Wt. reduction due to scratch									
132	Auto Parts	Other activities counted at main facility									
		Pallet recycling 125/day									
		Wt. reduction due to on-line purchasing									
		Plastic PS reuse									
		Wt. shred recycle									
		Wt. reduction due to duplexing									
		Wt. reduced due to on-line reports et al									
		Security card/stamping/recycles									
		Plastic PS reuse									
		Pallet return @ 10/wk (may be re-used)									
		Toner cartridge return									
133	Farm & Ranch Supplies	Pallet return @ 40/wk									
		Pallets return @ 40/wk									
		Scrap metal/bins/bags									
		OCC recycling									
		OCC reuse									
		Wt. recycle									
		Wt. shred recycle									
		Wt. reduction due to duplexing									
		Wt. reduced due to on-line reports et al									
		Security card/stamping/recycles									
		Plastic PS reuse									
		Pallet return @ 2.5/wk -s									
		Toner cartridge return									
134	General Merchandise	OCC recycling									
		Cutter return @ .8/wk									
		OCC recycling									
		OCC recycling									

Ref.	Business Type	Activity Description	EMP #	Source	Recycling	Diversion (weight in pounds)		Yr. Recy.	Inerts	Inerts	Material	Conversion Factor	Source	Diversion (pounds)							
						Metals	W. Pm.	Metals	R. Begun	SR	R.	O. Ag.	Composting	Type	(category)	(weight per count)	Business	per year	per year		
137	Welding Dressers	metal scrap recycled				2.0		2.50					31,200.00	1990		60 lbs/wk		Business	12,600	\$1,080	
138	Electrocoat & Autobody Whitehouse	tower cartridge return				2.50									other		2.5 lbs/cartidge	US EPA		13,200.00	\$1,080
139	Electrocoat & Autobody Whitehouse	recycle Alum. scrap				1.0									5,000.00	1990	meta	5000 lb/W	Business	9,000.00	\$2,500
140	Scrap Facility	OC C recycling				3.0		8,000.00					3,000.00					Business	13,200.00	\$1,080	
141	Scrap Facility	NO DIVERSION ACTIVITIES				2.0											1.1 lbs ea sm. box	US EPA			
142	Electrocoat & Autobody Whitehouse	Scrap Metal				4.0											1.1 lbs ea sm. box	US EPA			
143	Dental	NO DIVERSION ACTIVITIES				1.0											1 lbs ea sm. box	US EPA			
144	Assembly of Fine Electronics	NO DIVERSION ACTIVITIES				1.0		2,013.50									1 lbs ea sm. box	US EPA			
145	Electrocoat & Autobody Whitehouse	PS peanut reuse				592.80											1.9 lb/gal reuse	US EPA		2,386.80	1.93
146	Electrocoat & Autobody Whitehouse	OC C recycling - s				1,360.00											1 lbs ea sm. box	US EPA		2,013.50	1.01
147	Electrocoat & Autobody Whitehouse	PS peanut reuse				1,360.00										1 lbs ea sm. box	US EPA		2,013.50	1.01	
148	Electrocoat & Autobody Whitehouse	OC C recycling - s				1,360.00										1 lbs ea sm. box	US EPA		2,013.50	1.01	
149	Electrocoat & Autobody Whitehouse	tower cartridge return				280.00										1.5 lbs ea sm. box	US EPA		12,400.00	1.01	
150	Electrocoat & Autobody Whitehouse	computer donated				17.50										2.5 lbs/cartridge	US EPA				
151	Electrocoat & Autobody Whitehouse	OC C recycling - s				31,200.00										56 lbs = cop + monitor	US EPA		88,200.00	54.60	
152	Electrocoat & Autobody Whitehouse	OC C recycling				915.20										4 lbs/gal box	US EPA				
153	Electrocoat & Autobody Whitehouse	batteries reuse @ 20/wk				1,600.00										paper	2.2 lbs/med. boxea.	US EPA			
154	Electrocoat & Autobody Whitehouse	OC C recycling due to tote usage				1,700.00										5,200.00	paper	40 lbs ea in system	US EPA		
155	Electrocoat & Autobody Whitehouse	tote recycled back to vendor				5,200.00											1.5 lbs ea box displaced -	US EPA			
156	Electrocoat & Autobody Whitehouse	food reuse demanded				1,400.00											10 lbs/wk	Business			
157	Electrocoat & Autobody Whitehouse	OC C recycling - s				4,290.00											10 lbs/wk	Business		4,290.00	1.22
158	Electrocoat & Autobody Whitehouse	batteries reuse @ 20/wk				30.00											4 lbs/gal boxes.	US EPA		114.00	1.01
159	Electrocoat & Autobody Whitehouse	tower cartridge return				22,800.00											2.2 lbs/gal box	US EPA		22,800.00	1.01
160	Electrocoat & Autobody Whitehouse	OC C recycling - s				3,120.00											2.5 lbs/gal pallet	US EPA		3,120.00	1.01
161	Electrocoat & Autobody Whitehouse	OC C recycling				53.00											40 lbs ea med. boxea.	US EPA		13,200.00	1.01
162	Electrocoat & Autobody Whitehouse	OC C recycling				53.00											60 lbs/wk	Business		31,600	1.01
163	Electrocoat & Autobody Whitehouse	OC C recycling				1,800.00											6.27 lbs/gal	US EPA		18,000	1.01
164	Electrocoat & Autobody Whitehouse	OC C recycling				5,400.00											40 lbs ea in system	US EPA		54,000	1.01
165	Electrocoat & Autobody Whitehouse	OC C recycling				144.00											1.9 lbs/bucket	US EPA		1,440.00	1.01
166	Electrocoat & Autobody Whitehouse	5-gallon bucket reuse				182.40											5 lbs/gal	Business		182.40	1.01
167	Electrocoat & Autobody Whitehouse	bubble wrap reuse				50.00											5 lbs/gal	Business		50.00	1.01
168	Electrocoat & Autobody Whitehouse	pallet recycling				44,000.00											2.5 lbs/cartidge	US EPA		44,000.00	1.01
169	Electrocoat & Autobody Whitehouse	OC C reuse				20.40											40 lbs/pallet	US EPA		20.40	1.01
170	Electrocoat & Autobody Whitehouse	OC C reuse				3,120.00											40 lbs ea in system	US EPA		3,120.00	1.01
171	Electrocoat & Autobody Whitehouse	PS peanut reuse				53.00											60 lbs/wk	Business		13,200.00	1.01
172	Electrocoat & Autobody Whitehouse	OC C recycling				160.00											6.27 lbs/gal	US EPA		160.00	1.01
173	Electrocoat & Autobody Whitehouse	metal recovered by employees				1,800											40 lbs/wk	Business		18,000	1.01
174	Electrocoat & Autobody Whitehouse	OC C recycling				7,800.00											1.5 lbs/wk	Business		7,800.00	1.01
175	Electrocoat & Autobody Whitehouse	OC C recycling				400.00											5 lbs/wk	Business		3,200.00	1.01
176	Electrocoat & Autobody Whitehouse	tower cartridge return				25.00											1.5 lbs/gal box	Business		125.00	1.01
177	Electrocoat & Autobody Whitehouse	OC C recycling (not taken back from stores)				5,200.00											40 lbs ea in system	US EPA		52,000	1.01
178	Electrocoat & Autobody Whitehouse	OC C reuse 3000/day				39,000.00											40 lbs/wk	Business		39,000	1.01
179	Electrocoat & Autobody Whitehouse	PS peanut reuse				2,880.00											50 lbs/cy	Telus		2,880	1.01
180	Electrocoat & Autobody Whitehouse	Paper reduction/dupliing				15.00											6.27 lbs/cy	US EPA		15.00	1.01
181	Electrocoat & Autobody Whitehouse	tower cartridge return				15.00											2.5 lbs/cartidge	US EPA		15.00	1.01
182	Electrocoat & Autobody Whitehouse	reurned metro handels donated				1,000.00											10% of 10,000 p/d	Business		10,000	1.01
183	Electrocoat & Autobody Whitehouse	OC C reduction due to tote usage				27,320.00											21,250.00	US EPA		27,320.00	1.01
184	Electrocoat & Autobody Whitehouse	pallets reused @ 30/y				120.00											1.5 lbs ea box dispensed -	US EPA		120.00	1.01
185	Electrocoat & Autobody Whitehouse	OC C recycling				2,000.00											40 lbs/pallet	US EPA		2,000.00	1.01
186	Electrocoat & Autobody Whitehouse	scratches paper use				156.00											3 lbs/wk	US EPA		1,916.00	1.01
187	Electrocoat & Autobody Whitehouse	General Maintenance - repair				2,000.00											5 lbs/wk	US EPA		1,916.00	1.01

Ref No.	Business Type	Activity Description	EMP #	Source Reduction	Diversion (weight in pounds)	Yr. Reuse	Items or Ag.	Composting	Material	Conversion Factor (weight per count)	Source	Total
				SR	R	Began,	SR		(category)			per year
158	Commercial Bank	OCC recycling		832,000.00	96,000.00				paper	800 lbs./date	Business	
		pallet return @ 1200/wk		15,00					other org	40 lbs/ea. In system	USEPA	
		toner cartridge return			13,650.00				other org	2.5 lbs/cantridge	Business	
		food donated - food bank			52,000.00				other org	50 lbs/day	Business	
		motor rendering			312,000.00				other org	1000 lbs/wk	Business	
		tires recycled			2,400.00				other	20 lbs/can	Business	
		metal - carts rebuilt rather than scrapped			12,0				metal	60 lbs/ea.	Business	
		Plastic - carts rebuilt rather than scrapped			2,400.00				plastic	60 lbs/ea.	Business	
		OCC reuse			114.40				paper	1.1 lbs/ea. sm. box	USEPA	
		Wt. reuse for scratch parts			22.00				paper	5 lbs/ream	USEPA	
		duplexing			43.33				paper	5 lbs/ream	USEPA	
		toner cartridge return			7.50				other	2.5 lbs/cantridge	USEPA	
159	Warehouse & Distribution Co.	OCC recycling	120		286.00				paper	1.1 lbs/ea. sm. box - average	USEPA	
		OCC reuse			296.00				paper	1.1 lbs/ea. sm. box	USEPA	
		OCC recycling			49.00				paper	5 lbs/ream	USEPA	
		paper reuse			104.00				paper	1.5 lbs/ream	USEPA	
		toner cartridge recycling			90.00				other	2.5 lbs/cantridge	USEPA	
		fire recycling			5,200.00				other	20 lbs/re	USEPA	
160	Drive Thru & Drive Thru	OCC recycling	150		82,450.00				paper	800 lbs./date	Business	
		OCC recycling			62,400.00				paper	40 lbs/ea. in system	USEPA	
		pallet return @ 16/wk			1,280.00				paper	1.5 lbs/ea. box displaced -	USEPA	
		OCC reduction due to usage			7,800.00				paper	300 lbs/ date	Business	
161	Drug store & Pharmacy	OCC recycling	60		15,480.00				paper	70 lbs/1000	Business	
		OCC reduction due to lot usage			14,300.00				paper	1.1 lbs/sm. box isolated	USEPA	
		pallet return @ 14/wk			1,120.00				paper	40 lbs/ea. in system	USEPA	
		toner cartridge return			60.00				other	2.5 lbs/cantridge	USEPA	
		OCC recycling			54,600.00				paper	800 lbs./date	Business	
162	Drug store & Pharmacy	OCC recycling	250		10,985.50				paper	40 lbs/ea. box displaced -	USEPA	
		OCC reduction due to lot usage			26,000.00				paper	250 lbs. - balacia	USEPA	
		toner cartridge return			12,800.00				paper	1.5 lbs/sm. box isolated	USEPA	
		OCC reduction due to lot usage			94.00				paper	40 lbs/ea. in system	USEPA	
		food waste - donated to employees			7.50				other	2.5 lbs/cantridge	USEPA	
163	Drug store & Pharmacy	OCC recycling	31.0		73,132.50				paper	700 lbs/ea.	Business	
		OCC recycling			72,800.00				paper	40 lbs/ea. in system	USEPA	
		pallet returned @ 4/wk			320.00				other	40 lbs/ea. box displaced -	USEPA	
		toner cartridge return			12.50				paper	2.5 lbs/cantridge	USEPA	
164	Drug stores & Pharmacies	OCC recycling	150		180.00				paper	1000 lbs/wk	Business	
		OCC recycling			52,000.00				paper	40 lbs/ea. in system	USEPA	
		pallets returned @ 8/wk			840.00				other	20 lbs/re	USEPA	
		tires recycled			15,600.00				paper	50 lbs/ea.	USEPA	
165	Drug stores & Pharmacies	OCC recycling	28.0		10,823.33				paper	5,000 lbs/yr	Actual Waste Tickets	
		OCC reuse			1,430.00				paper	6.25 lbs/can	Tellus	
		pallet reuse 7/13 per wk			725.00				paper	2.2 lbs/ea. med. box	USEPA	
		tires recycled			15,253.33				other	40 lbs/ea. box displaced	USEPA	
		toner cartridge return			125.00				other	20 lbs/re	USEPA	
166	Electronics & Electrical	OCC recycling - s	220.0		572,000.00				paper	1.5 lbs/ea. sm. + size	Business	
		OCC recycling - s			25,300.00				paper	49,401,000	Business	
		OCC reuse			20,800.00				paper	50 lbs/ea.	USEPA	
		PS Peanut reuse			5,000.00				paper	6.25 lbs/can	Business	
		PS peanut reuse			725.00				paper	6.25 lbs/can	Business	
		pallet returned @ 25/wk			2,000.00				paper	25.41 lbs/3 gal.	USEPA	
		toner cartridge return			120.00				other	2.5 lbs/cantridge	USEPA	
		replenish stamps rebuilt			60.00				other org	40 lbs/ea. in system	USEPA	
167	Electronics & Electrical	OCC recycling - s	50.0		17,628.32				paper	21,953.32	Business	
		OCC reuse			1,170.00				paper	50 lbs/ea.	USEPA	
		PS Peanut reuse			48.00				paper	50 lbs/ea.	USEPA	
		bubble wrap reuse			94.00				paper	3 lbs/3 gal.	Tellus	
		Wt. reduction double-sided copies			1,321.32				paper	2.5 lbs/cantridge	USEPA	
		toner cartridge return			120.00				other	2.5 lbs/cantridge	USEPA	
		replenish stamps rebuilt			60.00				other org	40 lbs/ea. in system	USEPA	
		toner cartridge return			1,500.00				paper	2.5 lbs/cantridge	Business	
		replenish stamps rebuilt			300.00				paper	5 lbs/ream	USEPA	
		OCC recycling - s			900.00				paper	2.5 lbs/cantridge	Business	
168	Electronics & Electrical	OCC recycling - s	70.0		21,350.00				other org	40 lbs/ea. in system	USEPA	
		OCC reuse			18,000.00				paper	0.5 lbs/ea.	Business	
		Wt. reuse as scratch to test stamps			2,100.00				paper	2.2 lbs/med. box	Business	
		toner cartridge return			60.00				paper	0.3 lb/ea. ea.	Business	
		replenish stamps rebuilt			1,004.00				paper	0.3 lb/med. box	Business	
169	Electronics & Electrical	OCC recycling - s	5.0		31.20				paper	1,600.00	Business	
		OCC recycling - s			19.0				paper	1,600.00	Business	
170	Electronics & Electrical	OCC recycling - s	5.0		31.20				paper	1,600.00	Business	
		OCC reuse			1,004.00				paper	1,600.00	Business	
		Wt. reuse as scratch to test stamps			1,004.00				paper	1,600.00	Business	
		toner cartridge return			60.00				paper	1,600.00	Business	
		replenish stamps rebuilt			1,004.00				paper	1,600.00	Business	
171	Electronics & Electrical	OCC recycling - s	5.0		31.20				paper	1,600.00	Business	
		OCC reuse			1,004.00				paper	1,600.00	Business	
		Wt. reuse as scratch to test stamps			1,004.00				paper	1,600.00	Business	
		toner cartridge return			60.00				paper	1,600.00	Business	
		replenish stamps rebuilt			1,004.00				paper	1,600.00	Business	
172	Electronics & Electrical	OCC recycling - s	9.0		31.20				paper	1,600.00	Business	
		OCC recycling - s			19.0				paper	1,600.00	Business	
		OCC reuse			1,004.00				paper	1,600.00	Business	
		Wt. reuse as scratch to test stamps			1,004.00				paper	1,600.00	Business	
		toner cartridge return			60.00				paper	1,600.00	Business	
		replenish stamps rebuilt			1,004.00				paper	1,600.00	Business	
173	Electronics & Electrical	OCC recycling - s	19.0		31.20				paper	1,600.00	Business	
		OCC reuse			1,004.00				paper	1,600.00	Business	
		Wt. reuse as scratch to test stamps			1,004.00				paper	1,600.00	Business	
		toner cartridge return			60.00				paper	1,600.00	Business	
		replenish stamps rebuilt			1,004.00				paper	1,600.00	Business	

Ref. No.	Business Type	Activity Description	EMP #	Source	Disposal (weight in pounds)		Yr. Recy- lable	Inerts	Inerts	Material	Conversion Factor	Source	Disposal	Type	Description	
					Recycling	Metals										
171	Shoe Shop	paper cartridge return	20	1,500.00	1,500.00	60.00				other	2.5 lbs/canister	US EPA	250.00	5.28	Business	Business
172	Electronics Center	Wt. reduction / paper	200	520.00	520.00	60.00				paper	5 lb/can	US EPA	250.00	5.28	Business	Business
173	LeBron's Sport	bubble wrap reuse	520	156.00	156.00					plastic	3 lbs/33 gal.	US EPA	60.00	1.02	Business	Business
		metal scrap recycle								metal	22.5 lbs/35 gal.	US EPA			Business	Business
174	Office Supply	pallet returned @ 1MK	80	80.00						other	40 lbs/65 in system	US EPA			Business	Business
175	Office Supply	OCC recycling	320	3,450.00	3,450.00	3,200.00				paper	600 lb/can	Business	390,450.00	19.12	Business	Business
		OCG disposed by tote use								paper	1.5 lbs/ea. box disarmed -	US EPA			Business	Business
		pallet returned @ 30MK	2,400	2,400.00	2,400.00					paper	40 lbs/ea. n system	US EPA	75,540.00	37.15	Business	Business
176	Office Supply	OCC recycling	250	1,158.00	1,158.00	1,120.00				paper	700 lb/can	US EPA			Business	Business
		MP recycling								paper	36.5 lbs/can	US EPA			Business	Business
177	Custom Screen Printer, Shirts & Signs	paper returned @ 17MK	1,960	1,960.00	1,960.00					paper	40 lbs/65 in system	US EPA			Business	Business
178	Warehouse & Distrib	OCC recycling	1000	5,850.00	5,850.00	5,500.00				paper	1,400 lb/can	US EPA	390,350.00	19.12	Business	Business
		Wt. reduction due to on-line manuals								paper	2.2 lbs/mid box	US EPA			Business	Business
		pallet return @ 80MK	6,400	6,400.00	6,400.00					paper	5 lb/can	US EPA			Business	Business
179	Custom Screen Printer, Shirts & Signs	paper cartridge return	20	1,402.00	1,402.00	1,380.00				other	40 lbs/65 in system	US EPA			Business	Business
180	Office Supply	OCC reuse	14,014	5.00	14,014.00	5.00				paper	2.2 lbs/med. box	US EPA			Business	Business
		toner cartridge return								paper	2.5 lbs/cartridge	US EPA			Business	Business
181	Office Supply	Wt. MP recycle	170	34	170.34					paper	1.8 lbs	US EPA			Business	Business
		Wt. reduction due to on-line manuals								paper	3.65 lbs/can	US EPA			Business	Business
182	Office Supply	pallet return @ 1MK	950	950.00	950.00					paper	40 lbs/65 in system	US EPA			Business	Business
183	Office Supply	OCC recycling	1014	59.40	101.40	59.40				paper	1.5 lbs/ea. box disarmed -	US EPA			Business	Business
184	Office Supply	food donated	1,825	2,080.00	1,825.00	2,080.00				paper	40 lbs/ea.	US EPA			Business	Business
185	Office Supply	plastic 5 gal bucket reuse	9.50	9.50	9.50					paper	5 lbs/can	US EPA			Business	Business
186	Office Supply	OCC recycling - 5	975	975.00	975.00					paper	25 lb/can	US EPA			Business	Business
187	Office Supply	OCG recycling	2737	50	2,737.50					paper	1.5 lbs/ea. box disarmed -	US EPA			Business	Business
188	Office Supply	OCG reduction / tote usage	225	225.00	225.00					paper	1.5 lbs/ea. box disarmed -	US EPA			Business	Business
189	Office Supply	OCG reduction / tote usage	234	234.00	234.00					paper	1.5 lbs/ea. box disarmed -	US EPA			Business	Business
190	Family Services Agency for Seniors	Wt. remove	130	30.00	130.00	30.00				paper	5 lbs/ea.	US EPA			Business	Business
191	Architectural Resources Extension & Design	\$1.00	500	500.00	500.00	500.00				paper	50 lbs/ea.	US EPA			Business	Business
192	Office Supply	OCC recycle	600	240.00	600.00	240.00				paper	40 lbs/65 in	US EPA			Business	Business
193	Office Supply	OHP reuse	50	327.00	327.00	327.00				paper	1 lbs ea.	US EPA			Business	Business
194	Office Supply	toner cartridge return	15	15.00	15.00					paper	5 lbs/canister	EPA Waste Field Study			Business	Business
195	Office Supply	OCC recycling	1903	1,872.00	1,872.00	1,872.00				paper	38 lb/can	Business	872.00	0.18	Business	Business
196	Auto Repair Shop	tons reported	7.0	10,600	10,600	10,400.00				other	20 lbs/can	US EPA	10,400.00	5.21	Business	Business
197	Office Supply	toner cartridge returned	10	10.00	10.00					other	2 lbs/canister	US EPA			Business	Business
198	Office Supply	toner cartridge returned	15	15.00	15.00					other	2.5 lbs/canister	US EPA			Business	Business
199	Office Supply	toner cartridge return	300	300.00	300.00					other	300 lb/can	US EPA			Business	Business
200	Office Supply	toner cartridges returned or given to emp. @ 52M	4,800	2,500.00	4,800.00	2,500.00				paper	400 lb/can	US EPA			Business	Business
201	Office Supply	OCC recycling	857	600.00	857.85					paper	365.51 lbs/can	EPA Waste Field Study			Business	Business
202	Office Supply	toner cartridge return	143.50							paper	50 lbs/mo	Business			Business	Business
203	Office Supply	toner cartridge return	1,238.50							other	2 lbs/canister	US EPA			Business	Business
204	Office Supply	toner cartridge return	402.50							paper	365.50 lbs/can	US EPA			Business	Business
205	Office Supply	magazine recycle	42.00							paper	10 lbs/can-1 YR	US EPA			Business	Business
206	Office Supply	office electronic eq. donated	400.00							other	400 lbs/yr	Business			Business	Business
207	Office Supply	metal scrap recycling	2,000.00							metal	5000 lbs/yr	Business			Business	Business
208	Office Supply	ML reduction due to duplexing	3,220.00							paper	5 lb/can	US EPA			Business	Business
209	Office Supply	ML device - key file purge	500							paper	500 lbs/yr	Business			Business	Business
210	Office Supply	Office furniture donated	1,000.00							other	1000 lbs/yr	Business			Business	Business
211	Auto Sales & Service	stretch wrap returned / recycled	700	1,300.00	1,300.00	1,300.00				plastic	25 lb/can	Business	70,300.00	3.93	Business	Business
212	Auto Sales & Service	items recycled	100	75.00	75.00	75.00				other	20 lbs/mk	US EPA			Business	Business
213	Auto Sales & Service	anything that eats recycling	55	360.00	360.00	360.00				paper	365.5 lbs/can	EPA Waste Field Study			Business	Business

Ref.	Business Type	Activity Description	Yr. Rec'd	Inerts	Material	Conversion Factor	Source
No.		#	Source	Recycling	Metals	(weight per count)	
			Reduction	SR	R		
185	Pallets & Packaging Supplies		18.0	3,280.00	12,480.00		per year
	pallet return/reuse @ 6/wk.		5,280.00			7,600.00	\$.86
186	Distributor	pallets recyc/sell	5.0	12,480.00			
			6,500.00				
187	HP	shred reuse as packing	630.00				
	pallet reuse/return @ 5.5/wk		440.00				
188	HP	recycle	175.0	3,900.00	19,300.00		
	Office recycling		2,600.00				
189	Office	cupleang	50.00	650.00			
	HP shred		18,000.00				
190	Electronics	electronics	4.5	480.00	4,004.00		
	pallet recycling - s @ 1mo		1,040.00				
191	Business	bubblewrap reuse	80.00		4,004.00		
	PS peanuts reuse		180.00				
192	Business	electronic components donated	5.0	800.00	4,004.00		
	Office & Tech Reuse		800.00				
193	Car & Truck Rental	pallets return @ 10/wk	4.5	160.00	4,004.00		
	pallet return @ 2/wk		160.00				
194	CCC recycling	s	4.0	15,000.00	71,650.00		
	W/L shred/recycle		172.55				
195	Business	toner cartridge return	15.00				
	Insurance		10.00				
196	Business	toner cartridge recycling	2.5				
	metal recycle		10.00				
197	Business	metal recycle	16.0	55,000.00	120,000.00		
	telefon reuse		39.00				
198	Auto Body Shop	W/L recycle	17.0	54,500.00	120,000.00		
	toner cartridge return		48.00				
199	Business	W/L reduction / duplication	6.50		120,000.00		
	CCC recycling	s	120.00				
200	Shoe Stores	damaged to Salvation Army	75.00		1,200.00		
	Restaurant		20.5	3,800.00	3,800.00		
201	Business	CCC recycling	8.25	8,205.80	156.00		
	W/L recycling		156.00				
202	Auto Parts Export	W/L reuse as scratch paper	130.0	1,800.00	1,800.00		
	PS peanut reuse		18.62				
203	Business	CCC reduction baskets & others	17.5	3,577.00	21,722.00		
	W/L reuse as scratch paper		300.00				
204	Business	CCC recycling	858.00	7,722.00			
	CNC recycle or shred for packaging						
205	Manufactured Goods	manufacured items donated or sold to customers	640.00				
	PS peanut reuse or sold to customers		429.00				
206	Business	pallet recycle / sell/s @ 400/wk	16,000.00				
	Printers kept at house to reuse = 12		490.00				
	displays & shelves offered		900.00				
207	Business	toner cartridge return	70.00				
	CCC reuse		658.00				
208	Manufacturing Assembly	W/L CPO MP mix/recycle	20.0	3,058.00	10,101.0		
	W/L reduction /online reports		10.0				
209	Business	W/L reduction /online customer base	120.00	900.00	450.00		
	W/L reduction / 33% reduce base rate		192.00				
210	Manufacturing	pallet reuse/return @ 4/wk	54.00	4,160.00	320.00		
	CCC recycling		320.00				
211	Business	W/L recycle	490.0	1,200.00	1,200.00		
	Office Services		1,010.10				
212	Business	W/L reduction /online reports	12.50	14,560.00			
	W/L reduction /online customer base		12.50				
213	Wholesale	tires recycled	9.0	62,400.00			
	Office Services		1,200.00				
214	Business	W/L reduction /online reports	11.0	3,600.00	33,332.00		
	Office Services		4,050.00				

Board Meeting
December 10-11, 2002

Agenda Item
Attachment 2a

Ref No.	Business Type	Activity Description	EMP #	Source Reduction	Disposal (Weight in pounds)		Yr. Past	Inerts	Inerts	Material	Conversion Factor (Category)	Source	Pounds per Year	Tons per Year
					Recycling	Metals	Metals	Waste	Other Org	Other Org	Composting	(Weight per ton)		
215	bank	paper reuse	190	2,215,200	1,757,401	50	50	50	50	50	paper	5 lbs/ton	USEPA	2,215,200
216	Security products distributor and manufacturer	paper reuse	14.0	208,10	9,180,00	-	-	-	-	-	paper	5 lbs/ton	USEPA	9,180,00
217	Fast food restaurant	Office paper recycling	14.0	208,10	9,180,00	-	-	-	-	-	paper	5 lbs/ton	USEPA	9,180,00
218	Automobile body shop	OCC recycling	3.5	570,00	200,00	-	-	-	-	-	paper	2.2 lbs/ton	USEPA	460,00
219	Hotel	Nonallowable R/S activities	30.0	42,310,00	1,390,00	-	-	-	-	-	paper	1 lbs/ea	USEPA	12,743,00
220	Manufacturer of office furniture	Paper reused for shipping	30.0	35,500,00	1,390,00	-	-	-	-	-	paper	100 lbs/day	Business	35,500,00
221	Property management	Reuse chipboard from legal pads	4.0	6,96	-	-	-	-	-	-	paper	40 lbs/ea, in system	USEPA	278,400
222	Self storage	Ivets recycled	5.0	6,750,00	800,00	40,00	-	-	-	-	paper	1 lbs/ea	USEPA	6,750,00
223	Hair salon	Salon equipment	4.0	6,40	19,00	380,00	-	-	-	-	paper	1.9 lbs/ea	USEPA	3,630,00
224	Leather Furniture	OCC recycling	5	30.0	11,764,00	2,280,00	2,280,00	2,280,00	2,280,00	2,280,00	paper	65 lbs/ea	Business	34,554,00
225	Record music store	OCC recycling	5	11,440,00	2,280,00	2,280,00	2,280,00	2,280,00	2,280,00	2,280,00	paper	500 lbs/ea	Business	17,20
226	Full service medical professional building	Computers taken home by employees	4.0	5,00	240,00	-	-	-	-	-	paper	100 lbs/ea x .2%	USEPA	5,00
227	Retail toy store	Toner cartridge & return	27.5	322,00	31,506,00	-	-	-	-	-	paper	20/20 lbs ea component	Business	6,00
228	Restaurant	OCC recycling	3	150,00	168,00	168,00	168,00	168,00	168,00	168,00	paper	2.5 lbs/ea	USEPA	32,134,00
229	Food donations	Paper reuse	1,040,00	1,200,00	-	-	-	-	-	-	paper	2.5 lbs/ea	Business	16,07
230	Restaurant	Paper reuse	240,00	168,00	31,506,00	-	-	-	-	-	paper	4 lbs/ea box/2 lbs med. Box	USEPA	32,134,00
231	Restaurant	Grasscycling	1,432,51	200,00	80,00	-	-	-	-	-	paper	7.5 lbs/ea	Business	10,740,00
232	Restaurant	Actions donated	150,00	150,00	150,00	-	-	-	-	-	paper	5 lbs x 1 year	USEPA	750,00
233	Restaurant	Computer monitor house	131,5	13,380,00	3,120,00	3,120,00	3,120,00	3,120,00	3,120,00	3,120,00	paper	50 lbs	USEPA	13,125,10
234	Restaurant	OCC recycling	1,040,00	500,20	-	-	-	-	-	-	paper	20 lbs/ea	Business	10,000,00
235	Restaurant	Paper reuse	4,550,00	800,00	-	-	-	-	-	-	paper	1 lbs/ea	USEPA	4,550,00
236	Restaurant	Pallet reuse	11,010,00	405,60	-	-	-	-	-	-	paper	12 lbs/ea	Business	11,010,00
237	Restaurant	Pallet recycling	1,040,00	500,20	-	-	-	-	-	-	paper	12 lbs/pallet	Business	10,000,00
238	Restaurant	Pallet recycling - whole boxes	1,040,00	500,20	1,040,00	-	-	-	-	-	paper	40 lbs/ea in system	USEPA	11,110,00
239	Restaurant	OCC recycling - whole boxes	1,040,00	500,20	1,040,00	-	-	-	-	-	paper	40 lbs/pallet	Business	11,110,00

Ref	Business Type	Affinity Description	#	Source	Reduction	Metals	Yr Resdr	Inerts	or Ag	Composting	Material	Conversion Factor	Source	Units
No.					SR	R	Began	SR	R		(category)	(weight per count)		per year
added		Paper reuse			100.00						Paper	5 lbs/ream	USEPA	
added		toner reuse			12.00						other	3 lbs/ream	Business	
233	Restaurant	OCC reuse & customers aka	210	8/26/00	3,030.00						paper	400 lbs/wk	Business	91,680.00
added		OCC recycling			20,860.00						paper	600 lbs/awe	Business	45,360
added		pallets back to vendors			62,400.00						other	40 lbs/ea in system	USEPA	
232	Restaurant	food donations	960.00								other org	40 lbs/ea	Business	
connected		PS peanuts reuse	6.0	12/4/98/00	20,880.00						other org	150 lbs/wk	Business	168,200.00
connected		ONP recycling			1,248.00						plastic	24 lbs/wk	Business	24,156
connected		pallets recycling			14,460.00						paper	24 lbs/wk	Business	
connected		ceramic tile donations	18,000.00								other org	40 lbs/pallet	USEPA	
added		pallet reuse			7,000.00						other org	1500 lbs/month	Business	
233	Restaurant	OCC recycling	54.0	12/30/00	123,560.00						other org	40 lbs/ea in system	USEPA	113,260.00
connected		OCC recycling			97,500.00						paper	250 lbs/late	Business	
added		wood box recycling, small			11,700.00						other org	3 lbs/ea	Business	
added		wood box recycling, large			6,500.00						other org	5 lbs/ea	Business	
added		food donated			7,800.00						other org	150 lbs/wk	Business	
added		pallet reuse			320.00						classic	15 lbs/ea	Business	
234	car dealership or auto repair	OCC recycling	73.0	1/7/98/00	312,000.00						other org	40 lbs/ea in system	USEPA	4,873,50
added		paper reuse			1,800.00						paper	50 lbs/cv	USEPA	
added		duplex copying			280.00						paper	5 lbs/ream	USEPA	
added		memo routing			120.00						paper	5 lbs/ream	USEPA	
added		toner reuse			93.60						paper	5 lbs/ream	USEPA	
added		plastic drum reuse			786.00						paper	5 lbs/box displaced	Business	
added		paper drum reuse			360.00						other org	15 lbs/ea	Business	
added		toner reuse			120.00						classic	15 lbs/ea	Business	
235	electronic store	fire recycling (SARes)	9.0		1,440.00						other org	40 lbs/ea in system	USEPA	
235	electronic store	W/L recycling			2,000.00						other org	8 lbs/ea	Business	
236	car repair	GCC recycling			7,800.00						paper	1 ton/yr	Business	12,000.00
237	Restaurant	OCC recycling	54.0	1/7/98/00	452,560.00						paper	50 lbs/cv	USEPA	7,800.00
connected		aluminum scrap recycling			416,000.00						paper	800 lbs/wk	Business	
added		paper reduced - all claims			37,333.34						metal	175 lbs/cv	Tellus	
added		cloth towels replace paper			1,178.13						paper	5 lbs/ream	USEPA	
added		concentrates sold to emus			260.00						paper	29 lbs/400 hrs	hand dry weight	
added		packaging lightweighting			24,000.00						paper	26 lbs/CPU	USEPA	
added		paper recycling			46,000.00						other org	2 lbs/g	Business	
added		pallet repair			36,000.00						other org	40 lbs/pallet	USEPA	
238	Restaurant/bakery	pallet reuse - not including in numbers since some repaired, some not, they recycle what they can't repair			4,212,000.00						paper	300 lbs/wk	Business	
238	Restaurant/bakery	OCC recycling, baked			52,000.00						paper	1250 lbs/late	Business	
238	Restaurant/bakery	food waste for composting			4,212,000.00						paper	325,000.00	other org	
239	Restaurant	NO RECYCLING	76.0		1,078.00						paper	5 lbs/ream	USEPA	10,300
added		duplex copying			720.00						paper	5 lbs/ream	USEPA	
added		starch paper use			60.00						paper	5 lbs/ream	USEPA	
added		starched blankets donated			233.00						other	2.33 lbs/ea	L.A. Study	
240	Restaurant	car tires	265.0		48,000.00						paper	5 lbs/ream	USEPA	30,000.00
240	Restaurant	NO RECYCLING	6.0		45,000.00						other	20 lbs/ea	USEPA	24,000
added		uniform donation			42.00						other	1 lbs/ea	Business	
240	Restaurant	NO RECYCLING	60.0		1,668.00						paper	600 lbs/late	Business	
added		OCC recycling			62,400.00						paper	40 lbs/ea in system	USEPA	
240	Restaurant	paper reuse	1,600.00								other org	5 lbs/ream	Business	
added		toner cartridge return	60.00								paper	4 lbs/ea	Business	
240	Restaurant	NO RECYCLING	11.0		1,352.45						paper	5 lbs/ream	Business	
added		toner reuse			260.00						other	15.83 lbs/ea	Business	
240	Restaurant	car tires	47.49		1,145.28						other	2 lbs/ea	Business	
240	Restaurant	NO RECYCLING	60.0		60.00						paper	600 lbs/late	Business	
added		donate use & found			120.00						paper	40 lbs/ea	Business	
240	Restaurant	sheets reused as rags	980.28								other	2.33 lbs/ea	Business	
added		toner cartridge return	6.00								paper	5 lbs/ream	Business	
240	Restaurant	car tires	260.00		1,040.00						paper	20 lbs/ea	Business	
240	Restaurant	NO RECYCLING	17.0		660.00						paper	15.83 lbs/ea	Business	
240	Restaurant	car tires	80.00		32.00						paper	2 lbs/ea	Business	
240	Restaurant	NO RECYCLING	60.0		1,668.00						paper	600 lbs/late	Business	
added		toner cartridge return	60.00		1,600.00						paper	40 lbs/ea	Business	
240	Restaurant	grease rendering	36,740.00								other org	3.67 lbs/ea	Business	
240	Restaurant	paper reduced - all items	130.00								paper	5 lbs/ream	Business	
240	Restaurant	NO RECYCLING	46.0		1,600.00						paper	40 lbs/ea in system	USEPA	
added		paper reuse	6.00		62,400.00						other org	600 lbs/late	Business	
240	Restaurant	OCC recycling			62,400.00						paper	1 lbs/ea	Business	
240	Restaurant	social club												120

Board Meeting
December 10-11, 2002

Agenda Item
Attachment 2a

Ref.	Business Type	Activity Description	EHP #	Source Reduction	Recovery	Metals	Waste	Yr. Rest.	Inputs		Material	Conversion Factor	Source	Quantity	Business	
									Metric	R	or Aq.	or Aq.	Composting	(category)	(weight per count)	per year
248	plastic	OCC recycling	2410						52,000.00				paper	250	lb/box	USEPA
249	plastic	plastic recycling							5,560.00				paper	30	lb/box	Business
250	mail services shop	OCC recycling	50						39,600.00				paper	400	lb/box	Business
251	business/industrial distributor	OCC recycling	40,320.00		39,600.00								paper	30	lb/box	Business
252	no comp.	food composting	20,000.00										other	50	lb/box	Business
253	skid	OCC recycling	312,960.00										paper	125	lb/box	Business
254	skid & furniture	OCC recycling	17,180.00										paper	40	lb/cubey	Business
255	skid & furniture	OCC recycling	17,180.00										paper	40	lb/cubey	Business
256	metal break parts	NO RECYCLING	9,0										paper	1.1	lb/cub	USEPA
257	metal break parts	NO RECYCLING	45,820										paper	50	lb/box	USEPA
258	metal parts	NO RECYCLING	5,6										paper	5	lb/box	USEPA
259	metal parts	NO RECYCLING	16,4										paper	2.5	lb/box	USEPA
260	metal parts	OCC recycled	1,372.80										paper	57	lb/cub	USEPA
261	metal parts	OCC recycled	371.80										paper	11	lb/box	USEPA
262	metal parts	OCC recycled	80.00										paper	1.1	lb/box	USEPA
263	metal parts	NO RECYCLING	12,6										other	40	lb/cub	Business
264	metal parts	NO RECYCLING	100.0										other	40	lb/cub	Business
265	metal parts	NO RECYCLING	8,0										other	40	lb/cub	Business
266	metal parts	NO RECYCLING	5,6										other	40	lb/cub	Business
267	metal parts	NO RECYCLING	16,4										other	40	lb/cub	Business
268	metal parts	NO RECYCLING	120.00										other	40	lb/cub	Business
269	metal parts	OCP recycling	6,000.00										paper	100	lb/box	Business
270	metal parts	OCP recycling	65.00										paper	2.5	lb/box	Business
271	toner cartridge return	paper reduced - all items	10,00										paper	2.5	lb/box	Business
272	toner cartridge return	paper reduced - all items	28,00										paper	2.5	lb/box	Business
273	toner cartridge return	paper reduced - all items	50,00										paper	5	lb/box	USEPA
274	toner cartridge return	paper reduced - all items	81.5										paper	81.00	lb/box	USEPA
275	toner cartridge return	paper reduced - all items	60.0										paper	5	lb/box	USEPA
276	toner cartridge return	paper reduced - all items	15.0										paper	5	lb/box	USEPA
277	toner cartridge return	paper reduced - all items	17.0										paper	2.5	lb/box	Business
278	toner cartridge return	paper reduced - all items	25.00										paper	2.5	lb/box	Business
279	toner cartridge return	paper reduced - all items	50.00										paper	2.5	lb/box	Business
280	toner cartridge return	paper reduced - all items	5,750.00										paper	2.5	lb/box	Business
281	toner cartridge return	paper reduced - all items	4,000.00										paper	40	lb/box	Business
282	toner cartridge return	paper reduced - all items	2,250.00										paper	100	lb/box	Business
283	toner cartridge return	OCC recycling	1,000.00										paper	100	lb/box	Business
284	toner cartridge return	OCP recycling	3,086.67										paper	75.96	lb/box	Telus
285	toner cartridge return	NO RECYCLING	10										plastic	75.96	lb/box	Business
286	toner cartridge return	NO RECYCLING	30.00										plastic	5000	lb/box	Business
287	toner cartridge return	NO RECYCLING	50.00										plastic	5,000	lb/box	Business
288	toner cartridge return	NO RECYCLING	5,750.00										paper	40	lb/box	Business
289	toner cartridge return	NO RECYCLING	4,000.00										paper	40	lb/box	Business
290	toner cartridge return	NO RECYCLING	2,250.00										paper	100	lb/box	Business
291	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
292	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
293	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
294	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
295	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
296	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
297	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
298	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
299	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
300	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
301	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
302	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
303	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
304	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
305	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
306	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
307	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
308	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
309	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
310	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
311	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
312	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
313	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
314	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
315	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
316	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
317	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
318	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
319	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
320	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
321	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
322	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
323	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
324	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
325	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
326	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
327	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
328	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
329	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
330	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
331	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
332	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
333	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
334	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
335	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
336	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
337	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
338	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
339	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
340	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
341	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
342	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
343	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
344	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
345	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
346	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
347	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
348	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
349	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
350	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
351	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
352	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
353	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
354	toner cartridge return	NO RECYCLING	3,086.67										paper	5	lb/box	USEPA
355	toner cartridge return	NO RECYCLING	10,022.00										paper	5	lb/box	USEPA
356	toner cartridge return	NO RECYCLING	3,086.67													

Ref No.	Business Type	Activity Description	EHP #	Diversion (weight in pounds)			Yr Begun	Yr Restr	Inerts	Inerts	Material	Source	
				Reduction	Recycling	MEDS			R	Waste	or Ag	Composting	Type
273	internal office	paper recycling	50	138.00	50	0							
added		paper duplexing		65.00									per year
274	internal office	paper reuse as scratch		40.00									0.027
added		toner cartridge return		26.00									per year
275	internal office	paper recycling	70	288.00	70	0							
added		paper duplexing		137.50									
276	internal office	paper reuse as scratch		125.00									
added		toner cartridge return		22.50									
277	internal office	paper recycling	150	740.00	150	0							
added		paper reduced - all BOMs		720.00									
278	internal office	toner cartridges return		60.00									
added		toner cartridges return		15.00									
279	internal office	OCC recycling		150.00									
added		proper reduced - all BOMs		416,000.00									
				12,000.00									

Ref.	Business Type	Activity Description	EMP #	Source	Diversion (weight in pounds)		Yr. Recy.	Inerts or Ag.	Inerts	Inerts	Material	Conversion Factor	Source	Diversion (pounds)	
					Recycling	Metals	Wt. Pgm.	or Ag.	Composting	Type	(Weight per cu yard)	per year	per year		
261	grocery store	OCC & paper recycling	480.00	35,280.00		SR	R	SR		paper	1 lb/cu yd	Business			
262	grocery store	OCC & paper recycling	8,008.00	35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
263	grocery store	plastic recycling		35,280.00						plastic	1.1 lbs/cu yd	Business			
264	grocery store	food taken for composting								plastic	29.0 lbs/imo	Corp. av/garage			
265	grocery store	meat rendering								plastic	4.160 lbs/imo	Corp. av/garage			
266	grocery store	pallet return - 30k/cu								other org	8,460 lbs/imo	Corp. av/garage			
267	grocery store	toner 10 used by toner manufacturer	991.1	10,400.00						paper	10.04 lbs/yr	Ben Records			
268	grocery store	toner 10 used by toner manufacturer	991.1	95.61376						paper	10.04 lbs/yr	Ben Records			
269	grocery store	toner 10 used by toner manufacturer	991.1	20,080.00						paper	14.18 lbs/yr	Ben Records			
270	grocery store	toner numbers may be different from these								paper	5,920.00	2.61 tons/yr	Ben Records		
271	grocery store	toner recycling								paper	40 lbs/pallet	Ben Records			
272	grocery store	toner recycling (Troyan)								paper	40 lbs/pallet	UC Riverside			
273	grocery store	toner recycling (Troyan) (Troyan)	17,640.00							paper	40 lbs/pallet	UC Riverside			
274	grocery store	toner recycling (Troyan) (Troyan)	75,000.00							paper	40 lbs/pallet	UC Riverside			
275	grocery store	toner cartridges returned		825.00						yard waste	6.5 tons/crate/yr	USP&A			
276	grocery store	toner cartridges returned		825.00						other	2.5 lbs/crate	USP&A			
277	grocery store	toner cartridges returned		825.00						other	2.5 lbs/crate	USP&A			
278	grocery store	toner cartridges returned		825.00						other	2.5 lbs/crate	USP&A			
279	grocery store	toner cartridges returned		825.00						other	2.5 lbs/crate	USP&A			
280	grocery store	toner cartridges returned		8,008.00						other	2.5 lbs/crate	USP&A			
281	grocery store	toner recycling		35,280.00						paper	1.1 lbs/cu yd	Corp. av/garage			
282	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
283	grocery store	toner recycling		35,280.00						paper	25.0 lbs/imo	Corp. av/garage			
284	grocery store	toner recycling		35,280.00						paper	41,500 lbs/imo	Corp. av/garage			
285	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
286	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
287	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
288	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
289	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
290	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
291	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
292	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
293	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
294	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
295	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
296	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
297	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
298	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
299	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
300	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
301	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
302	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
303	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
304	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
305	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
306	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
307	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
308	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
309	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
310	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
311	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
312	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
313	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
314	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
315	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
316	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
317	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
318	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
319	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
320	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
321	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
322	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
323	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
324	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
325	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
326	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
327	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
328	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
329	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
330	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
331	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
332	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
333	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
334	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
335	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
336	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
337	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
338	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
339	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
340	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
341	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
342	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
343	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
344	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
345	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
346	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
347	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
348	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
349	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
350	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
351	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
352	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
353	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
354	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
355	grocery store	toner recycling		35,280.00						paper	79.520 lbs/imo	Corp. av/garage			
356	grocery store	toner recycling		35,280.00						paper					

Board Meeting
December 10-11 2003

Agenda Item
Attachment 2a

Ref.	Business Type	Activity Description	EMP #	Source	Recycling weight Metals	Wt./Riser Metals	Inerts	Inerts Material	Conversion Factor (category)	Source
No.			#		Metals	R	Ag	Ag	(weight per count)	per year
					Reduction	SR	R	R	records	per year
304	hospital	OCC recycling			210,587.00	-	-	-	Business records	202,587.00
		other recycling			145,232.00	-	-	-	Business records	0.128
305	grocery store chain (\$ stores in Torrance)	OCC recycling			58,335.00	-	-	-	Business records	58,335.00
		film plastic recycling			45,840.00	-	-	-	Business records	418,656
		film plastic recycling			13,720.00	-	-	-	Hauler records	13,720.00
		metal rendering			54,160.00	-	-	-	Hauler records	27.00 ton/yr
		protein item			317,600.00	-	-	-	Hauler records	317,600.00
306	grocery store chain (\$ stores in Torrance)	OCC recycling			45,840.00	-	-	-	Business records	45,840.00
		film plastic recycling			13,720.00	-	-	-	Hauler records	13,720.00
		metal rendering			54,160.00	-	-	-	Hauler records	27.00 ton/yr
		protein item			317,600.00	-	-	-	Hauler records	317,600.00
307	grocery store chain (\$ stores in Torrance)	OCC recycling			45,840.00	-	-	-	Business records	45,840.00
		film plastic recycling			13,720.00	-	-	-	Hauler records	13,720.00
		metal rendering			54,160.00	-	-	-	Hauler records	27.00 ton/yr
		protein item			317,600.00	-	-	-	Hauler records	317,600.00
308	grocery store chain (\$ stores in Torrance)	OCC recycling			45,840.00	-	-	-	Business records	45,840.00
		film plastic recycling			13,720.00	-	-	-	Hauler records	13,720.00
		metal rendering			54,160.00	-	-	-	Hauler records	27.00 ton/yr
		protein item			317,600.00	-	-	-	Hauler records	317,600.00
309	grocery store chain (\$ stores in Torrance)	OCC recycling			45,840.00	-	-	-	Business records	45,840.00
		film plastic recycling			13,720.00	-	-	-	Hauler records	13,720.00
		metal rendering			54,160.00	-	-	-	Hauler records	27.00 ton/yr
		protein item			317,600.00	-	-	-	Hauler records	317,600.00
310	trash collection & removal services	OCC recycling			45,840.00	-	-	-	Business records	45,840.00
		film plastic recycling			13,720.00	-	-	-	Hauler records	13,720.00
		metal rendering			54,160.00	-	-	-	Hauler records	27.00 ton/yr
		protein item			317,600.00	-	-	-	Hauler records	317,600.00
311	plastic manufacturer	OCC recycling			1,900,000.00	-	-	-	Business records	1,900,000.00
		PE film recycling			12,400.00	-	-	-	Business records	12,400.00
		polystyrene pallets* recycled (residuals from charbroil-o's)			640,000.00	-	-	-	Business records	640,000.00
		polystyrene pallets recycled (when slot & rail cars are cleaned out)			1,320,000.00	-	-	-	Business records	1,320,000.00
		foam scrap back rins system			1,800,000.00	-	-	-	Business records	1,800,000.00
		wood pellets & cardboard containers converted to aluminum pallets - did not ask for bin numbers			24,000.00	-	-	-	Business records	24,000.00
		metal drums on wood pallets converted to reusable plastic			12,400.00	-	-	-	Business records	12,400.00
		composted pallets -- did not ask for bin numbers			-	-	-	-	Business records	-
		pallet recycling - no closely tracked and would take time to determine			-	-	-	-	Business records	-
		scrap metal recycling - no significant increase			-	-	-	-	Business records	-
		used polyethylene recycling - small amount in relation to above so not quantified unless needed			-	-	-	-	Business records	-
		OCC refused to haul off pallets when slot & rail cars are cleaned out - did not ask for bin numbers because so much steel drum recycling - small amount in relation to above so not quantified unless needed			-	-	-	-	Business records	-
		gutter recycling			-	-	-	-	Business records	-
312	automotive repair shop	Office paper recycling			8,000.00	-	-	-	Business records	8,000.00
		CPO recycling			20,000.00	-	-	-	Business records	20,000.00
		HP # 1 recycling			8,000.00	-	-	-	Business records	8,000.00
		Forest OCC recycling			10,000.00	-	-	-	Business records	10,000.00
		OCC recycling			32,000.00	-	-	-	Business records	32,000.00
		denied loose CPO recycling			2,000.00	-	-	-	Business records	2,000.00
		security shredded is recycled			10,000.00	-	-	-	Business records	10,000.00
		true tonnages taken for composting			150,000.00	-	-	-	Business records	150,000.00
		paper reuse			50,400.00	-	-	-	Business records	50,400.00
		metal recycling			not available	-	-	-	Business records	not available

Ref No.	Business Type	Activity Description	Emp #	Source	Diversion (weight in pounds)		Yr Began	Yr Restr.	Inerts	Inerts or Ag.	Composting	Material Type	Conversion Factor (weight per count)	Source
					Reduction	Metals	SR	R	other org	other org	other org	paper	(category)	
313	Wooden structure manufacturer			4200.00	31360.00	280.00						260 lbs/yr	Business records	Business
	pallet recycling			200.00								40 lbs/ea	In system	Business
	pallet reuse			31200.00								42 lbs/pallet	Business	Business
	pallet recycling			914.00	965.00							1 lb/box	Business	Business
	metal & debris management			144.00								5 lbs/ream	Business	Business
	paper savings due to computerization		130.00									40 lbs/ream	Business	Business
	pallet recycling			960.00								40 lbs/pallet	Business	Business
	pallet reuse		640.00									100 lbs/35 gal	Business	Business
	metal recycling			640.00								100 lbs/35 gal	Business	Business
	metal reuse			4000.00								1.1 lbs/box	Business	Business
	OCC reuse			720.00	12480.00							1.1 lbs/box	Business	Business
	OCC recycling			520.00								5 lbs/ream	Business	Business
	pallet recycling			520.00								5 lbs/ream	Business	Business
	pallet reuse			640.00								40 lbs/ream	Business	Business
	metal recycling			640.00								40 lbs/pallet	Business	Business
	metal reuse			4000.00								40 lbs/ea. in system	Business	Business
	metal paper recycling			2200.00	18385.00							1.1 lbs/box	Business	Business
	OCC recycling			56.00	706.00							1.1 lbs/box	Business	Business
	paper savings due to computerization			700.00								50.08 lbs/cy	Business	Business
	pallet recycling			260.00								5 lbs/ream	Business	Business
	pallet reuse			2000.00								40 lbs/ream	Business	Business
	metal recycling			2000.00								40 lbs/ream	Business	Business
	metal reuse			1040.00	2660.00							175 lbs/cy	Business	Business
	OCC recycling			2660.00								363.5 lbs/cy	Business	Business
	window glass recycling			2400.00								1.1 lbs/box	Business	Business
	metal aluminum			1040.00	1934.00							50 lbs/box	Business	Business
	metal recycling			1040.00								50 lbs/box	Business	Business
	metal reuse			800.00								40 lbs/ream	Business	Business
	metal recycling			800.00								40 lbs/ream	Business	Business
	mixed paper recycling			976.40	18180.00							1.1 lbs/box	Business	Business
	metal aluminum			18180.00								50 lbs/box	Business	Business
	metal recycling			606.40	18100.00							40 lbs/ream	Business	Business
	OCC reuse			130.00								40 lbs/ream	Business	Business
	paper savings due to computerization			130.00								40 lbs/ream	Business	Business
	pallet recycling			80.00								40 lbs/ream	Business	Business
	pallet reuse			160.00								40 lbs/ream	Business	Business
	metal recycling			160.00								40 lbs/ream	Business	Business
	CFO recycling			11440.00	400.00							400 lbs/cy	Business	Business
	paper shredder & used for packaging			1040.00								4 lbs/box	Business	Business
	paper savings due to computerization			260.00								20 lbs/box	Business	Business
	pallet recycling			900.00								5 lbs/ream	Business	Business
	pallet reuse			80.00								40 lbs/ream	Business	Business
	metal recycling			80.00								40 lbs/ream	Business	Business
	metal aluminum			140.00	10748.00							50000.00	Business	Business
	OCC recycling			680.00								2.0000 lbs	Business	Business
	paper shredder & used for packaging			2288.00								2.2 lbs/box	Business	Business
	paper savings due to computerization			2500.00								2.2 lbs/box	Business	Business
	bubble wrap & plastic reuse			5200.00								50 lbs/ream	Business	Business
	pallet recycling			480.00								100 lbs/box	Business	Business
	pallet reuse			400.00								40 lbs/pallet	Business	Business
	metal assembly			25300.00	2820.00							5 lbs/box	Business	Business
	MP recycling			420.00								4 lbs/box	Business	Business
	OCC reuse			2280.00								35 lbs/mo	Business	Business
	Denim savings due to computerization			420.00	1716.00							2.2 lbs/box	Business	Business
	circuitry manufacturing			1716.00								5 lbs/ream	Business	Business
	NF recycling			800.30								100 lbs/box	Business	Business
	OCC reuse			1716.00								40 lbs/pallet	Business	Business
	reusing auto parts/alternators and starters			18652.00	18656.00							4 lbs/box	Business	Business
	Denim savings due to computerization			10400.00								363.5 lbs/cy	Business	Business
	bubble wrap reuse			780.00								200 lbs/box	Business	Business
	pallet recycling			5200.00								5 lbs/ream	Business	Business
	pallet reuse			19200.00								100 lbs/box	Business	Business
	toner cartridge return			700.00								40 lbs/box	Business	Business
	metal recycling			700.00								2.5 lbs/ream	Business	Business
	toner cartridges & toner bottles from Germany			260.00								1200 blinn	Business	Business
	Indoor/Wholesale accounts and retail accounts from Germany			260.00								13200.00	Business	Business

Board Meeting
December 10-11, 2002

Agenda Item
Attachment 2a

Total Tons Recycling
Total Tons Source Reduction
Total Tons Composting

version Tons 24,112.33

Attachment 9 - Turnaround